EMASS GRAU STORAGE SYSTEMS

MESSAGES AND CODES

HCC/MVS 3.0

HOST

COMMUNICATION

CONTROL

9th edition

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9th Edition

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Extensions and changes to this Manual are based on PTF with status ZY00108, due to the fact that software changes were made at the same time.

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CONTENTS

1 MESSAGES AND CODES for HCC/MVS 3.0

1.1 LITERATURE

Manual	Order number	Reference
General Information Manual	600226-A	G
Installation/Customization Guide	600227-A	G
System Reference Guide	600233-A	G
Operators Guide	600231-A	G
Command Reference	600223-A	G
Conversion Notebook	600224-A	G
Installation/Customization Reference	600228-A	G
Messages and Codes	600230-A	G
ISPF User Guide	600229-A	G
Release Guide	600232-A	G

G This Manual is part of the standard HCC documentation. Further copies of the respective Manual can be obtained from the publisher.

2 AML MESSAGES

2.1 MESSAGE STRUCTURE

Two message types exist for the HCC-AML communication:

1. asynchronous messages
2. synchronous messages

All messages are shown in the HCC-AML standard data format:

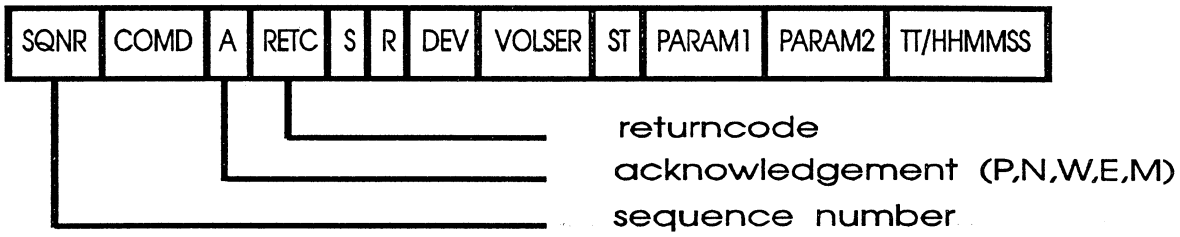

Fig. 1: HCC-AML Standard Format *haccmeld*

The following messages are shown in the form:

```
A,RETC Message text
```

Definitions:
synchronous messages:

as response to tasks initiated by HCC,
SQNR 4 bytes numeric in the range 0000-9999,
Acknowledgment: P = positive
E = end of condition
N = negative, return code present

asynchronous messages:

initiated by ROBOT-IC or AMU or AR (archive computer),
SQNR 4 bytes alphanumeric,
Acknowledgment: W = warning indicator
M = robot status

W,W000 Warning with sense codes in PARAM1, precedes synchronous messages

M,ROBS Master message concerning robot status change

Asynchronous messages can be generated at anytime.

2.2 **MESSAGES**

N001: SYNTAX ERROR

N002: UNEXPECTED RESPONSE FROM ROBOT, SEVERE ERROR

N003: SEVERE ERROR IN SETUP FILE OF ARCHIVE-PC

N004: SEVERE ERROR IN ARCHIVE

N005: ROBOT NOT READY

N006: ROBOT ERROR (SEE PRECEEDING WARNING)

N007: NOT EXECUTABLE ROBOT COMMAND

N008: ROBOT EMERGENCY SHUTDOWN

N009: ROBOT SWITCHED INTO ADJUSTMENT MODE

N010: UNKNOWN ROBOT COMMAND

N011: COORDINATE ASSIGNMENT FOR WRONG ROBOT

N012: COMMAND INTERRUPTED BY MANUAL INTERVENTION

N014: COMMAND INTERRUPTED BY PROGRAM REQUEST

N015: TOWER HAS NOT TURNED INTO POSITION

N016: ROBOTER FEHLER (EXCP-AUS 5001)

N017: COMMAND NOT EXECUTABLE

N100: ROBOT CRASH

N101: ROBOT CRASH AT MEDIUM LOAD/STORE

N102: TIMEOUT (ROBOT ERROR)

N103: TIMEOUT IN PC-IC COMMUNICATION

N104: MEDIUM LOST

N105: MEDIUM STUCK IN GRAB

N110: CRASH AT TAKING A MEDIUM FROM A BOX

N111: CRASH AT INSERTING A MEDIUM TO A BOX

N112: CRASH AT TAKING A MEDIUM FROM A DEVICE

N113: CRASH AT INSERTING A MEDIUM INTO A DEVICE

N201: UNKNOWN DEVICE

N202: TAPE UNIT STILL OCCUPIED

N203: DEVICE EMPTY

N204: DEVICE OCCUPIED

N205: DEVICE EMPTY

N206: MEDIUM CAN NOT BE ACCESSED FROM DEVICE

N207: OPEN ENTRY DOOR AT TAPE UNIT NOT LOCKABLE

N208: MEDIUM CANNOT BE TAKEN FROM STACK

N209: MEDIUM FOR THE COMMAND IS WRONG

N301: UNKNOWN VOLSER

N302: VOLSER NOT IN LIBRARY

N303: VOLSER ALREADY IN THE NAMED DRIVE

N304: BARCODE LABEL NOT READABLE

N305: NO MEDIUM FOUND IN BOX

N306: WRONG MEDIUM ON SPECIFIED COORDINATE

N307: KEEP WAS OK, BUT THE VOLSER IN THE DRIVE WAS WRONG

N308: VOLSER IS EJECTED

N309: VOLSER IS ALREADY IN A OTHER DRIVE

N401: COORDINATE NOT DEFINED

N402: NO MEDIUM ON SPECIFIED COORDINATE

N403: POSITION NOT EMPTY

N404: MEDIATYPE IS NOT ALLOWED ON THE NAMED COORDINATE

N408: GRIPPER ERROR - MEDIUM MAY BE DROPPED

N501: DOOR OF I/O-DEVICE IS NOT CLOSED

N502: I/O-AREA DEFINITIONS ARE NOT AGREED

N503: EJECT DEVICE OVERFLOW

N504: PUT INTO PROBLEMBOX

N505: PUT INTO PROBLEMBOX, PROBLEMBOX IS FULL NOW

N506: WRONG VOLSER - MEDIA MOVED INTO PROBLEMBOX

N506: PROBLEMBOX WAS FULL - COMMAND CAN NOT BE EXECUTED

N600: ERROR DURING SWITCH TO DUAL-AMU

N602: COMMUNICATION IS DISTURBED TO THE DUAL-AMU

N603: SWITCH PROCESS TO DUAL-AMU ACTIVE - COMMAND NOT EXECUTEABLE

N604: ROBOT COMMAND DURING SWITCH TO DUAL-AMU NOT COMPLETED

N700: NO CLEANCARTRIDGES AVAILABLE

N701: CLEANPOOL DAS NOT EXIST

The significance of the error codes can be displayed with the HCC command **DRE**.

Refer to the AML System Manual or the AMU Operator Manual for further error codes.

3 HCC MESSAGES

3.1 MESSAGE FORMAT

```
msgnnni text
```

msg = Message identification - standard value **HAC**
nnn = Message number (000 - 999)
i = Identifier (I = Information, A = Action)
text = Message text

Messages from the HCC are displayed on the consoles, depending on the routing codes (see ROUTCD-HACPARM1, INSTALLATION and CUSTOMIZATION REFERENCE).

Messages from the HCC can be suppressed with the command **SET MSG,OFF,NUM=*nnn***. Refer to the respective section of the COMMAND REFERENCE Manual for more information.

Important messages are output with descriptor code 2 (highlighted, action).

These action messages requiring operator intervention to continue the initiated action are deleted automatically after successful termination of the action.

The language for the message text can be changed using the LANG parameter in HACPARM1 or dynamically with **REFRESH**.

The following HCC messages have the default prefix (HAC). This prefix can be changed using the HACPARM1 parameter MSGPREFIX.

Refer to the HACCPARM Statements Section in the INSTALLATION/CUSTOMIZATION manual for more information.

3.2 MESSAGES

The following abbreviations are used:

CHD = Customer Help Desk at EMASS/GRAU Storage Systems
AZS = AML central service or Customer Help Desk
(see HACPARM1, INSTALLATION and CUSTOMIZATION)

HAC001A INVALID PARM: *text*

Module(s): ZHC00100 - ZHC10300 - ZHC10400 - ZHC30000
Explanation: HCC was started with erroneous PARM values or the start procedure was individually changed (see HCC start procedure).
System action: HCC is automatically terminated.
Operator action: The parameter statements contained in the message must be checked and changed.

HAC002A SUBSYSTEM "*HACn*" NOT DEFINED TO MVS

Module(s): ZHC00100 - ZHC01700 - ZHC10300
Explanation: The subsystem name *HACn* was not specified in SYS1.PARMLIB(IEFSSN*xx*) or an incomplete IEFSSN*xx* member was specified for IPL.
System action:
Operator action: The entries specified in the explanation must be checked and changed when necessary.

HAC003A POST RECEIVED FOR UNKNOWN ECB, MODULE=*module*

Module(s): ZHC02300 - ZHC05200 - ZHC06500 - ZHC10100 - ZHC10300 ZHC10400
Explanation: Severe error in HCC or MVS. Inform Customer Help Desk if this error has not been corrected after the next IPL.
System action:
Operator action: Error documentation required as described in the relevant section.

HAC004A ATTACH FAILED FOR MODULE *module*,RETURNCODE=*rrrr*

Module(s): ZHC01507 - ZHC0151D - ZHC0155D - ZHC0156E - ZHC10300 ZHC10400
Explanation: Possibly I/O error in the load module library, if not, inform Customer Help Desk. An error-free IEBCOPY compress run usually prevents I/O errors.
System action:
Operator action: Error documentation required as described in the relevant section and additionally directory extract of HCC Steplib.

HAC005A ESTAE-EXIT NOT INITIALIZED, RETURNCODE=*rrrr*

Module(s): ZHC04500 - ZHC05400 - ZHC05500 - ZHC05600 - ZHC10100
Explanation: Severe HCC error. If HCC does not completely terminate: CANCEL HACC,DUMP. The message HAC037A still follows.
Complete HCC messages: HAC005A, HAC006A, HAC037A.
System action: HCC terminates abnormally.
Operator action: Error documentation required as described in the relevant section.

HAC006A ESTAE-EXIT ENTERED, ABEND-CODE=*rrrrrrrr*,MODULE=*module*

Module(s): ZHC05400 - ZHC05500 - ZHC05600 - ZHC10100
Explanation: Severe HCC error. If HCC does not completely terminate: CANCEL HACC,DUMP. The message HAC037A still follows.
Complete HCC messages: HAC005A, HAC006A, HAC037A.
System action: HCC terminates abnormally.
Operator action: Error documentation required as described in the relevant section.

HAC007A INVALID COMMAND: *text*

Module(s): ZHC01300 - ZHC01400 - ZHC01500 - ZHC04200 - ZHC04300 ZHC08400 - ZHC10300 - ZHC10400 - ZHCG1400
Explanation: An incorrect command was entered.
System action: None.
Operator action: The command contained in the message must be checked and, if required, changed and executed again.

HAC008A QEDIT CIB-LIMIT ERROR, RETURNCODE=*rrrr*

Module(s): ZHC00100
Explanation: Severe HCC error
System action:
Operator action: Error documentation required as described in the relevant section.

HAC009A QEDIT FREE-CIB ERROR, RETURNCODE=*rrrr*

Module(s): ZHC00100
Explanation: Severe error in HCC or MVS. Inform Customer Help Desk if this error has not been corrected after the next IPL.
System action:
Operator action: Error documentation required as described in the relevant section.

HAC010I HACC ALREADY ACTIVE (IF NOT SEE "ABBASEND DCSA")

Module(s): ZHC00100
Explanation: HCC was probably started twice. If not, call ABBASEND DCSA under TSO and check on the displayed screen: READINESS bytes and SYNCFIELDS buffer. If all these fields contain Hex FF, HCC must be restarted with:
S HACC.*A*,**SSI=Y**,...
System action: None
Operator action: Error documentation required as described in the relevant section.

HAC011A FUNCTION ERROR IN SUBTASK *module*

Module(s): ZHC02300-ZHC10100
Explanation: Severe HCC error.
System action:
Operator action: Error documentation required as described in the relevant section.

HAC012A EXC-LOG OVERRUN *HACC*n**, DSN=*exchangelog-dsname*

Module(s): ZHC07000
Explanation: Severe error, HCC terminated. The reasons for this error situation can be:
- HACC0 (primary HCC system) not started
- Excessive number of data records (for example, EJ,UPD statements) sent to HACC0 at one time
- Exchange log file too small
- Long-term RESERVE on shared Dasd, HACC0 cannot read data

System action: HCC terminates abnormally.
Operator action: HACC*n* can be restarted immediately after clearing the bottleneck situation. Data to be transferred to HACC0 using ABBASEND should be sent again. If errors occur repeatedly, the Exchange log should be extended (HACPARM1, PDSNEXCx, RECNO=nnnn). This must be followed by a HCC start with FEXx=Y (formatting).

HAC013I FUNCTION COMPLETED BY TIMER : *command*

Module(s): ZHC10100
Explanation: This message is displayed when HCC detects and terminates a suspended ABBASEND function *command* describes the first 30 bytes of the respective command.
System action: ABBASEND can continue processing.
Operator action:

HAC014I CIB NOT AVAILABLE (TSO-TEST)

Module(s): ZHC00100
Explanation: Error is only possible when HCC is called under TSO.
System action:
Operator action:

HAC015I COMMAND NOT AUTHORIZED: *text*

Module(s):ZHC01400-ZHC01500-ZHC04100-ZHC04300-ZHC10300-ZHC30000- ZHCG1400
Explanation:
1. An authorized command was called by an unauthorized user under ABBASEND.
2. The password was not entered at all or erroneously during tape label initialization.

System action: The command is not executed.
Operator action: The command authorization must be checked and, if necessary, modified.

HAC016I HACC READY FOR COMMUNICATION

Module(s): ZHC10100
Explanation: HCC is fully operational and can start automatic operation after entry of the **ROSA** command.
System action: None
Operator action: None

HAC017I HACC ENDED

Module(s): ZHC10100
Explanation: The HCC system task was completely terminated; the subsystem support module remains active internally for recovery reasons (refer to ABBASEND DSCA).
System action: None
Operator action: None

HAC018A DYNAMIC ALLOCATION ERROR, CODE=*xxx*

Module(s):ZHC0151E-ZHC01300-ZHC05000-ZHC05900-ZHC06000
ZHC06100-ZHC06200-ZHC06300-ZHC06400-ZHC06500-ZHC08400
ZHC30000-ZHC31200-ZHC31300-ZHC31400-ZHC31500-ZHC31600
ZHC31700-ZHC31800-ZHC32100ZHC32200-ZHC32300-ZHC32400
ZHC32500-ZHC32600-ZHC33000-ZHC33100-ZHCC2500-ZHCS2500
HAC23T25-HAC23U25
Explanation: Severe installation error. Determine the DYNALLOC error code in the MVS literature (MVS-XA: SYSTEM MACROS 1)
System action:
Operator action: Error documentation required as described in the relevant section.

HAC020I SECONDARY SYSTEM HACC*n*

Module(s): ZHC10100
Explanation: Information. HCC was initiated with parameter SYS=SEC*n* in the start command.
System action: None
Operator action: If necessary, check whether a primary system should be started.

HAC021I HACC START: VERSION=*vvvvvvvv* SMFCPUID=*cccc*

Module(s): ZHC00100
Explanation: HCC is started.
System action: None
Operator action: None

HAC022I HACC TERMINATION IN PROGRESS

Module(s): H01511-ZHC10100
Explanation: HCC is terminating.
System action: None
Operator action: None

HAC023A READ ERROR, BDAM-CODE=*rrrr*, DSN=*dsname*

Module(s): ZHC05000-ZHC07000
Explanation: Installation error: The file described under DSN indicates an I/O error. The error code is shown in the MVS literature (MVS-XA: MACRO INSTRUCTION REFERENCE).
Reasons:
1. The file was physically destroyed.
2. The file is not formatted.

System action: HCC cannot be started.
Operator action: The file *dsname* must be reformatted with the respective parameter.

HAC024A WRITE ERROR, BDAM-CODE=*rrrr*, DSN=*dsname*

Module(s): ZHC05000-ZHC07000
Explanation: Installation error: The file described under DSN indicates an I/O error. The error code is shown in the MVS literature (MVS-XA: MACRO INSTRUCTION REFERENCE).
Reasons:
1. The file was physically destroyed.
2. The file is not formatted.

System action: HCC cannot be started.
Operator action: The file *dsname* must be reformatted with the respective parameter.

HAC025A WRITE ERROR DURING FORMATTING, BSAM-CODE=*rrrr*, DSN=*dsname*

Module(s): ZHC05000
Explanation: Installation error: The file described under DSN indicates an I/O error. The error code is shown in the MVS literature (MVS-XA: MACRO INSTRUCTION REFERENCE).
System action: HCC cannot be started.
Operator action: Error documentation required as described in the relevant section.

HAC026A INVALID BRANCH-TABLE ENTRY IN *module*, RF=*rrrrrrrr*

Module(s):ZHC00500-ZHC00600-ZHC01100-ZHC01400-ZHC01500 ZHC02800-ZHC04200-ZHC04400-ZHC05000-ZHC05200-ZHC05800 ZHC05900-ZHC06000-ZHC06100-ZHC06200-ZHC06300-ZHC06500 ZHC06900-ZHC07000-ZHCG1400
Explanation: Severe HCC error.
System action:
Operator action: Error documentation required as described in the relevant section.

HAC027I SUBSYSTEM IS INITIALIZED, ALLOCATED CSA CORE=*nnnnn*

Module(s): ZHC01700
Explanation: Information during HCC start:
1. Automatic initialization of subsystem after IPL.
2. HCC was started with PARM: **SSI=Y.**

The storage area shown represents the total requirement of HCC in the CSA.
System action: None
Operator action: None

HAC028A WARNING: NO MORE SCRATCH-TAPES AVAILABLE FOR POOL *pppppp*

Module(s): ZHC01900-ZHC05800-ZHC08600
Explanation: No more SCRATCH cartridges are available (according to Archive mirror). Pending and active SCRATCH requests will not be performed.
System action: Pending and active SCRATCH requests will not be performed.
Operator action: It is possible that an administration run of the installed tape management system is required. After the following **FREEVOL** command, the determined SCRATCH information is transferred and automatic processing continued without additional intervention.

HAC029I SCRATCH-TAPE ARCHIVE UPDATE IN PROGRESS INVOKED BY *exitname*

Module(s): ZHC05800
Explanation: Information message after **FREEVOL** command. The UPDATE of the HCC Archive mirror with new scratch tape information is performed. Message HAC040I indicates process termination.
System action: None
Operator action: None

HAC030I TOTAL NO. OF AVAILABLE SCRATCH TAPES = *nnnnnn*

Module(s): ZHC05800
Explanation: Self-explanatory information
System action: None
Operator action: None

HAC031I MODULE *module* IS TERMINATING

Module(s):ZHC0151E-ZHC05000.ZHC05200-ZHC05400-ZHC05500-ZHC05600-ZHC05800-ZHC05900-ZHC06000-ZHC06100-ZHC06200-ZHC06300-ZHC06400-ZHC06500-ZHC07000-ZHC10100
Explanation: Comment for HCC call with PARM: TEST=Y
System action: None
Operator action: None

HAC032I SUBTASK *module* IS STARTING

Module(s):ZHC05000-ZHC05200-ZHC05300-ZHC05400-ZHC05800 ZHC05900-ZHC06000-ZHC06100-ZHC06200-ZHC06300-ZHC06400 ZHC06500-ZHC07000
Explanation: Self-explanatory information.
System action: None
Operator action: None

HAC033I UNIT-RECOVERY-LOG WILL BE FORMATTED (COLD-START)

Module(s): ZHC05000
Explanation: Information when formatting starts. HCC was started with PARM: FMTU=Y. The formatting of the UNIT LOG after a HCC installation can cause **LOSS OF DATA**.
There are two reasons for reformatting:

1. Relocation of the UNIT LOG dataset
2. Modifications/extensions of tape unit addresses

To avoid loss of data, there should be no pending commands to AML before formatting.
System action: None
Operator action: None

HAC034I UNIT-RECOVERY-LOG IS FORMATTED

Module(s): ZHC05000
Explanation: Information after successful formatting.
System action: None
Operator action: None

HAC035A NO ABBA COMMUNICATION: SYS = *s*

Module(s): ZHC00300
Explanation: The communication path to AML system *s* is not defined. Refer to COMDEFs in HACPARM1 (INSTALLATION and CUSTOMIZATION).
System action: HCC has no connection to the AML system.
Operator action: The HCC-AML communication must be restored as described in section ‘Recovery Procedures‘. If this is not possible, error documentation is required as described in the relevant section.

HAC036I *common message text*

Module(s):ZHC0150A-ZHC0150B-ZHC0150C-ZHC0150D-ZHC01510 ZHC01526-ZHC01534-ZHC01536-ZHC01537-ZHC01538-ZHC01549 ZHC01552-ZHC01553-ZHC0155D-ZHC01566-ZHC01569-ZHC0156A ZHC0156C-H069007-H069061-ZHC00100-ZHC00300-ZHC01100 ZHC01300-ZHC01500-ZHC01800-ZHC03900-ZHC04100-ZHC04200 ZHC04400-ZHC04600-ZHC04800-ZHC05800-ZHC06000-ZHC06100 ZHC06200-ZHC06300-ZHC06400-ZHC06500-ZHC06900-ZHC07000 ZHC08600-ZHC10100-ZHC10300,ZHC10400
Explanation: This message number is used for general, self-explanatory messages.
System action: None
Operator action: None

HAC037A INSTRUCTION-ADDRESS=*aaaaaaaa*, MODULE=*module*

Module(s): ZHC05400 - ZHC05500 - ZHC05600 - ZHC10100
Explanation: Supplementing information to messages HAC005A,HAC006A.
System action: HCC terminates abnormally.
Operator action: None

HAC038A FREE CIB-CHAIN ERROR, RF=*rrrr*

Module(s): ZHC01500
Explanation: Severe error in HCC or MVS. If this error has not been corrected after the next IPL, inform Customer Help Desk.
System action:
Operator action: Error documentation required as described in the relevant section.

HAC039I FUNCTION *module* IS CURRENTLY ACTIVE, RETRY COMMAND LATER

Module(s): ZHC01528 - ZHC0155D
Explanation: A function (subtask) is currently active with the execution of a previously entered command (for example, **FREEVOL**).
System action: Entered command is not executed.
Operator action: If required, the job can be executed again after termination of the command.

HAC040I SCRATCH-TAPE UPDATE COMPLETED

Module(s): ZHC06900
Explanation: Follow-up message to HAC029I. The HCC Archive mirror was successfully modified during the execution of a **FREEVOL** command.
System action: None
Operator action: None

HAC041I REQUEST OK

Module(s): ZHC01500
Explanation: The syntax of the entered command is correct.
System action: Depending on the command type, it is either directly executed or placed in the wait queue.
Operator action: None

HAC042A CIB-DATALEN ZERO

Module(s): ZHC10100
Explanation: Severe error in HCC or MVS. If this error has not been corrected after the next IPL, inform Customer Help Desk.
System action:
Operator action: Error documentation required as described in the relevant section.

HAC043I SUBTASK *module* READY

Module(s): ZHC05000 - ZHC05200 - ZHC05300 - ZHC05400 - ZHC05800 ZHC05900 - ZHC06100 - ZHC06200 - ZHC06300 - ZHC06400 - ZHC06500 ZHC07000
Explanation:
System action: None
Operator action: None

HAC044A OPEN ERROR, DSN=*dsname*

Module(s): ZHC01300 - ZHC06000 - ZHC06100 - ZHC06200 - ZHC06300 - ZHC06400 - ZHC10300
Explanation: Severe error in HCC or in the installation.
System action: HCC cannot be started.
Operator action: Error documentation required as described in the relevant section.

HAC045I INSERT/SEARCH DISCREPANCY, SEARCH: *volser* INSERT: *volser*

Module(s): ZHC00700
Explanation:
System action: None
Operator action: None

HAC046I MESSAGE TRACE ON

Module(s): ZHC01504
Explanation: Information that TRACE was started (**TRON** command).
System action: None
Operator action: None

HAC047I MESSAGE TRACE OFF

Module(s): ZHC01500
Explanation: Information that TRACE was stopped (**TROFF** command).
System action: None
Operator action: None

HAC048I FUNCTION *xxxxxxxx* IS ALREADY ACTIVE

Module(s): ZHC01500
Explanation:
System action:
Operator action:

HAC049A STOP PENDING END OF COMMUNICATION (SEE DRQ-COMMAND)

Module(s): ZHC0694C
Explanation: HCC should stop but requests are still pending. The **DRQ** command displays the pending jobs.
System action: HCC terminates only after the pending jobs were processed or deleted.
Operator action: It is recommended to properly terminate the pending jobs. When HCC is started with the PARM option HOT=N, incomplete jobs cannot be automatically recreated, apart from pending cleaning actions and EJ jobs.

HAC050A INVALID HACC-CVT-POINTER IN SSCT

Module(s): ZHC00100 - ZHC01700 - ZHC10300 - ZHC10400
Explanation: Severe error in HCC or MVS. HCC must be restarted with PARM: **SSI=Y**.
System action: HCC terminates abnormally.
Operator action: Error documentation required as described in the relevant section.

HAC051I STIMER INTERVAL PERIOD NOT ACCEPTED

Module(s): ZHC01300
Explanation:
System action:
Operator action:

HAC052I NO PRIOR MOUNT FOR: *keep message*

Module(s): ZHC06900
Explanation: No MOUNT message was received by HCC for the indicated *keep message*. This information may only appear after the restart of HCC, with cartridges being mounted manually in the meantime.
System action: HCC executes the *keep message* shown in the message. AML error code N203 can occur here when the unit is no longer occupied.
Operator action: Error documentation required as described in the relevant section.

HAC053I MOUNT- AND KEEP-VOLSER DIFFERENT: *keep message*

Module(s): ZHC06900
Explanation: Warning message. This message can appear when, for example, a different volser to that of the mount was specified for a not labelled cartridge (operator response to various IEC... messages).
S**ystem action:** HCC executes the *keep message* shown in the message.
Operator action: Error documentation required as described in the relevant section.

HAC054A SUBTASK *module* ABENDED, TCB-COMPLETIONCODE=*rrrrrr*

Module(s): ZHC02300
Explanation: Severe HCC error.
System action:
Operator action:

HAC055I NO ALTERNATE COMMUNICATION PATH FOR EXCP/LU2 ACTIVE

Module(s): H015093
Explanation: Command '**COM s,SWITCH**' cannot be executed because no alternative path was defined with 'COMDEFx=' in HACPARM1.
System action: Communication path is not switched.
Operator action:

HAC056I FILE-PROTECT SWITCH IS ON, VOLSER=*volser*, UNIT=*cuu*, TAPE WILL BE EJECTED

Module(s): ZHC01800
Explanation: The write protect switch is on for a SCRATCH volser.
System action: Processing continues without further intervention. HCC tasks AML to place the cartridge into an eject slot and a new SCRATCH cartridge is mounted.
Operator action: The automatically ejected cartridge should be checked. When the data medium is empty, the write protect can be set to '**unprotected**' and the cartridge placed into the insert area. Entering the **VI** command terminates the process.

HAC057I INVALID VOLSER *volser*, AUTOMATIC MOUNT REJECTED

Module(s): ZHC01900 - ZHC06100 - ZHC06200 - ZHC06300 - ZHC06400
Explanation: A volser was requested with wrong syntax (for example, for an individual mount).
System action: HCC does not execute the requested mount.
Operator action: The command entered or the *volser* shown in the message must be checked.

HAC058A SCRATCH-TAPE WARNING LEVEL:

Module(s): ZHC01900
Explanation: The minimum number of available SCRATCH tapes (refer to INSTALLATION / CUSTOMIZATION REFERENCE) is no longer met.
System action: This message is displayed for every SCRATCH mount until no more SCRATCH tapes are available.
Operator action: Refer to the HAC028A message for actions.

HAC059I UNIT *cuu* IS ALREADY ALLOCATED

Module(s): ZHC0151D
Explanation: Attempt made to reserve the same unit again with the **ALLOC** command.
System action: None
Operator action: None

HAC060I QUEUE OVERFLOW, ID=*quex*

Module(s): ZHC01511 - ZHC0156E - ZHC00300 - ZHC01300 - ZHC05200 ZHC05600 - ZHC06500 - ZHC06900
Explanation: Severe HCC error. A GETMAIN area is too small.
System action:
Operator action: Error documentation required as described in the relevant section.

HAC061A ROBCOM WTO-ERROR, RC=*rrrr*

Module(s): ZHC00300
Explanation:
System action:
Operator action:

HAC062A NO COMMANDS QUEUED FOR ABBA

Module(s): ZHC0150C
Explanation: Response to DRQ command.
System action: Command was executed.
Operator action: None

HAC063I ABBA WARNING: *text*

Module(s): ZHC00700 - ZHC04200
Explanation: Warning message from AML system. If this message is output repeatedly, the HACCLOG should be enabled to protocol an expected hardware error.
System action: HCC continues processing.
Operator action: Error documentation required as described in the relevant section.

HAC064I ABBA ROBS: *abba robot message*

Module(s): ZHC00700
Explanation: Information or warning message from AML system. If this message is output repeatedly, the HACCLOG should be activated.
System action: HCC continues processing.
Operator action: Error documentation required as described in the relevant section.

HAC065A ABBA ERROR: *abba command*

Module(s): ZHC00700 - ZHC01100
Explanation: AML error during the execution of the specified command. Follow-up messages detail the error situation.
System action: HCC continues processing.
Operator action: Actions based on the follow-up messages.

HAC066A *HACC*n** DOES NOT ANSWER

Module(s): ZHC07000
Explanation: Warning message from the primary HCC system. In a CPU group, the HCC systems check each other using the EXCHANGE-LOG for operativeness. (Interval 2 minutes).
System action: None
Operator action: Check why HACC*n* is not active or whether an Exchange log was assigned to a primary HCC system by mistake.

HAC067I EXCHANGE-LOG WILL BE FORMATTED, DSN=*dsname*

Module(s): ZHC07000
Explanation: Information when formatting starts. HCC was started with PARM: **FEX=(x)**.
System action: None
Operator action: None

HAC068I EXCHANGE-LOG IS FORMATTED, DSN=dsname

Module(s): ZHC07000
Explanation: Information after successful formatting.
System action: None
Operator action: None

HAC069A INVALID UCB FOR *cuu*, MODULE=*module*

Module(s): ZHC06500
Explanation:
System action:
Operator action:

HAC070I IEHINIT AUTOMATIC MODE FUNCTIONS NOT SUPPORTED

Module(s): ZHC01800
Explanation: Parameter MSG=IEC701D was not specified in HACCPARM or was specified with the default value NOAUTOREPLY (refer to the INSTALLATION/CUSTOMIZATION REFERENCE Manual)
System action: Message IEC701D is processed as a mount request; there is **no** automatic response to the reply.
Operator action: The reply for the message IEC701D must be answered.

HAC071 RESERVIERT

Module(s):
Explanation:
System action:
Operator action:

HAC072I CLOSE UNIT ON *cuu* COMPLETED

Module(s): ZHC00700
Explanation:
System action:
Operator action:

HAC073I SEQNO *nnnn* NOT FOUND

Module(s): ZHC01500
Explanation: Information during the application of some commands, such as DELQ, REP etc.
System action: None
Operator action: Check the sequence number entered.

HAC074I SEQNO *nnnn* DELETED

Module(s): ZHC01512 - ZHC06900
Explanation: Acknowledgment that a task was deleted from the wait queue with **DELQ**.
System action: None
Operator action: None

HAC075I SEQNO *nnnn* IN PROCESS, COMMAND NOT DELETABLE

Module(s): ZHC01512
Explanation: Attempt made to delete a task already transmitted to AML from the wait queue with **DELQ**.
System action: None
Operator action: In special cases, this process can be enforced with the command: **DELQ, FORCE**.

HAC076I HACC INACTIVE. ABBASEND NOT EXECUTABLE

Module(s): ZHC10300 - ZHC10400
Explanation: ABBASEND MONITOR was called, but HCC is not active.
System action: None
Operator action: Check why HCC is not active.

HAC077I BUFFER OVERFLOW HXXBUF2, MODULE=*module*

Module(s): ZHC06500
Explanation: Severe HCC error.
System action:
Operator action: Error documentation required as described in the relevant section.

HAC078A SEVERE ROBOT ERROR, COMMUNICATION IS DEACTIVATED

Module(s): ZHC01100
Explanation: Owing to a severe robot error (for example, cartridge lost, CRASH etc.) the communication to the respective robot is disabled.
System action: HCC does not send any further tasks to this robot.
Operator action: Operation can be resumed by issuing a **ROSA** command to the relevant robot after the error situation has been eliminated. This message is output as follow-up message for HAC065A.

HAC079I COMTASK SWITCHED: OLD CUU = *cuu*, NEW CUU = *cuu*

Module(s): ZHC0155D
Explanation:
System action:
Operator action:

HAC081A CLEANING CARTRIDGE *volser* IS SPENT. NO.OF CL-OPERATIONS=*nnnn*
INSERT NEW CL-CARTRIDGE

Module(s): ZHC00700
Explanation: The cleaning cartridge *volser* has reached the maximum number of cleaning operations.
System action: It is automatically swapped and HCC switches to the next available cleaning cartridge (see message HAC082I).
Operator action: Insert a new cleaning cartridge with the same *volser*. The number of cleaning operations is set to the initial value.

HAC082I CLEANING CARTRIDGE *volser* IS NOW IN USE FOR SYS=*s*, ROB=*r*

Module(s): ZHC10100
Explanation: Follow-up message for HAC081A.
System action: HCC now uses the *volser* specified in the message for cleaning operations.
Operator action: None

HAC083A AXEXT MACRO ERROR, RC=*rrrr* IN MODULE *module*

Module(s): ZHC10100 - ZHC10300
Explanation: Severe error by CROSS MEMORY functions.
System action:
Operator action: Error documentation required as described in the relevant section.

HAC084A AXSET MACRO ERROR, RC=*rrrr* IN MODULE *module*

Module(s): ZHC10100 - ZHC10300
Explanation: Severe error by CROSS MEMORY functions.
System action:
Operator action: Error documentation required as described in the relevant section.

HAC085A MGCR MACRO ERROR, COMMAND = *mvs command*

Module(s): ZHC06100 - ZHC06200 - ZHC06300 - ZHC06400 - ZHC06900
Explanation: HCC error during MVS command execution.
System action:
Operator action: Error documentation required as described in the relevant section.

HAC086A EXCP READ ERROR ON COMMUNICATION LINE, MODULE=*module*

Module(s): ZHC06500
Explanation:
System action:
Operator action:

HAC087A EXCP WRITE ERROR ON COMMUNICATION LINE, MODULE=*module*

Module(s): ZHC06500
Explanation: The HCC-AML communication path using *cuu* is not ready.
The causes can be:
1. Hardware malfunction on control unit, path (refer to standard procedure).
2. Malfunction on the AMU or the AR (refer to the AML manual for actions). After correcting the malfunction, continue HCC-AML data exchange after activating the line with COM ACT,*cuu*. The alternative communication path - when defined - can be used (refer to Operator Guide for COM instruction) when hardware malfunctions on the CPU path or the control unit cannot be eliminated for a longer period of time.

System action:
Operator action:

HAC088I COMTASK TERMINATED, COMDEV= *cuu*

Module(s): ZHC02300 - ZHC10100
Explanation:
System action:
Operator action:

HAC089A REQUEST REMAINS PENDING

Module(s): ZHC01100
Explanation: Action message after HAC065A message. The task to AML specified under HAC065A remains pending as open task in the wait queue (refer to **DRQ** command).
System action: HCC continues processing.
Operator action: Actions depend on the AML return code. Repeat the open task with the **REP** command after correcting the error.

HAC090I JOB CANCEL INITIATED

Module(s): ZHC01100
Explanation:
System action:
Operator action:

HAC091I REQUEST IS PURGED

Module(s): ZHC01100
Explanation:
System action:
Operator action:

HAC092I SYSEVENT "DONTSWAP" RETURNCODE=*rrrr*

Module(s): ZHC10100
Explanation: Error when the NON-SWAPPABLE attribute is requested.
System action:
Operator action: Error documentation required as described in the relevant section.

HAC093I UNIT *cuu* IS PERMANENTLY ALLOCATED

Module(s): ZHC06100 - ZHC06200 - ZHC06300 - ZHC06400
Explanation: Acknowledgment after execution of the **ALLOC** command.
System action: None
Operator action: None

HAC094I UNIT *cuu* IS DEALLOCATED

Module(s): ZHC0151E - ZHC06100 - ZHC06200 - ZHC06300 - ZHC06400
Explanation: Acknowledgment after execution of the **FREE** command.
System action: None
Operator action: None

HAC095I MAX.NO. OF ROBTEST FUNCTIONS EXCEEDED

Module(s): ZHC0151D
Explanation: More than 4 **ALLOC** commands were called in parallel.
System action: None
Operator action: When another unit is required, an already known unit must first be released with the **FREE** command.

HAC096I UNIT *cuu* NOT ALLOCATED FOR ROBTEST FUNCTIONS

Module(s): ZHC0151E - ZHC01524 - ZHC0153F
Explanation: One of the functions SLCK, STLI or SRT was called without first reserving a tape unit with the **ALLOC** command.
System action: None
Operator action: The required unit must first be reserved for HCC with the **ALLOC** command.

HAC097I FUNCTION BUSY FOR UNIT *cuu*

Module(s): ZHC0151E - ZHC01521 - ZHC01524 - ZHC0153F
Explanation: One of the functions SLCK, STLI or SRT was called twice (refer to the **DRT** command).
System action: None
Operator action: None

HAC098I ROBTEST-FUNCTION ON UNIT *cuu* ALREADY ACTIVE

Module(s): ZHC01521 - ZHC01524 - ZHC0153F
Explanation: A **FREE** command was entered and the *cuu* unit is still active for a test function (refer to **DRT** command).
System action: None
Operator action: If required, the **FREE** command must be repeated after terminating the test function.

HAC099I FUNCTION *fff* ON UNIT *cuu* STARTED

Module(s): ZHC01521 - ZHC01524 - ZHC0153F
Explanation: Information after the start of a robot test function *fff*.
System action: None
Operator action: None

HAC100I FUNCTION *fff* COMPLETED, UNIT *cuu* WILL REMAIN ALLOCATED TO HACC

Module(s): ZHC01522 - ZHC01525 - ZHC01540
Explanation: Information after the termination of a robot test function *fff*.
System action: None
Operator action: None

HAC101I FUNCTION *fff* ON UNIT *cuu* NOT ACTIVE

Module(s): ZHC01522 - ZHC01525 - ZHC01540
Explanation: A **PLCK**, **PTLI** or **PRT** command was entered and the function had not been started.
System action: None
Operator action: The relevant function must first be started.

HAC102I VOLSER-TABLE FOR ROBTEST IS FULL

Module(s): ZHC0151F
Explanation: The volser table for robot tests is limited to 100 entries.
System action: None
Operator action: None

HAC103I VOLSER *volser* UNKNOWN TO HACC

Module(s): ZHC01520
Explanation:
System action:
Operator action:

HAC104I TOO FEW TEST-VOLSERS FOR ROBTEST, S.ADD-COMMAND

Module(s): ZHC01520 - ZHC01521 - ZHC06900
Explanation: At least one test volser must be specified for each **SRT** command using the **ADD** command.
System action:
Operator action:

HAC105I ROBTEST FUNCTION FOR *cuu* STILL ACTIVE:
APPLY PRT/PLCK/PTLI

Module(s): ZHC0151E
Explanation: A tape unit reserved with **ALLOC** should be released with the **FREE** command, but the unit is still active for a function (refer to the **DRT** command). **FREE** is only allowed after entering the appropriate Stop command (**PRT**/**PLCK**/**PTLI**) and after termination of the function.
System action:
Operator action:

HAC106I SYS *s*,ROB *r*: IS ONLY ACTIVE FOR ROBTEST VOLSERS

Module(s): ZHC0150C
Explanation:
System action:
Operator action:

HAC107I OUTSTANDING ERROR FOUND (APPLY DRQ-COMMAND)

Module(s): H069076
Explanation: HCC should be stopped, but there are still outstanding and/or incorrect tasks for AML in the wait queue. It is recommended to process the outstanding tasks. HCC then terminates automatically.
System action:
Operator action:

HAC108I DUPLICATE VOLSER FOR ROBTEST

Module(s): ZHC0151F
Explanation: An **ADD** command attempted to add a volser already in the test table (refer to the **DRT** command).
System action:
Operator action:

HAC109A ENTER HACC-COMMAND:

Module(s): ZHC10100
Explanation: ABBASEND MONITOR waits for the input of a command.
System action: None
Operator action: Input the next HCC command.

HAC110I PRIMARY COMMAND *xxxx* OVERRIDDEN

Module(s): ZHC06900
Explanation:
System action:
Operator action:

HAC111I COMMAND *xxxx* ALREADY IN SEND QUEUE

Module(s): ZHC06900
Explanation:
System action:
Operator action:

HAC112I ABBASEND DEACTIVATED, ERROR SITUATION (SEE DCSA-COMMAND)

Module(s): ZHC10300 - ZHC10400
Explanation: HCC terminated during an ABBASEND execution in batch mode. ABBASEND terminates with the USER-Abend 2201.
System action:
Operator action:

HAC113A OPEN ERROR, RC=*rrrr*, DSN=*dsname*

Module(s): ZHC05900 - ZHC06500 - ZHC08400 - ZHC30000 - ZHC31200 ZHC31300 - ZHC31400 - ZHC31500 - ZHC31600 - ZHC31800 - ZHC32100 ZHC32200 - ZHC32300 - ZHC32400 - ZHC32500 - ZHC32600 - ZHC33000 ZHC33100 - ZHCC2500 - ZHCS2500 - ZHCT2500 - ZHCU2500
Explanation: Severe error in HCC or in the installation.
System action:
Operator action: Error documentation required as described in the relevant section.

HAC114A COMMON VSAM ERROR,
RC=*rrrr*, FUNCTION=*function*,MODULE=*module*

Module(s): ZHC05900 - ZHC08400
Explanation: Severe error in HCC.
System action:
Operator action: Error documentation required as described in the relevant section.

HAC115A VSAM LERAD-CODE=*rrrr*,FUNCTION=*function*,MODULE=*module*

Module(s): ZHC05900 - ZHC08400
Explanation: Severe error in HCC.
System action:
Operator action: Error documentation required as described in the relevant section.

HAC116A "ASRTAB" ARCHIVE TABLE OVERFLOW, MODULE=*module*

Module(s): ZHC05900
Explanation: Severe error in HCC during the Archive mirror update.
System action:
Operator action: Error documentation required as described on Page 4-1.

HAC117I NO. EJECTED *tttt nnnnnn*.

Module(s): ZHC05901
Explanation: Information on the number *nnnnnn* of ejected VOLSERs.

tttt can be	CART	to specify ejected cartridges,
	OPT	to specify ejected ODs.

System action:
Operator action:

HAC118I TOT. NO. OF VOLSER *tttt nnnnn*

Module(s): ZHC05901
Explanation: Information on the number *nnnnnn* of VOLSERs in the archive.

tttt can be	blank	to specify all VOLSERs,
	CART	to specify all cartridges
	OPT.	to specify all ODs.

System action:
Operator action:

HAC119I NO. CLEAN-CARTRIDGES *nnnnn*

Module(s): ZHC05900
Explanation: Information at the HCC start or after **FREEVOL**
System action: None
Operator action: None

HAC120I DOWNLOAD OF ARCHIVE IN PROGRESS

Module(s): ZHC0150B
Explanation: Information when the **DL** command is used.
System action: None
Operator action: None

HAC121I DOWNLOAD ENDED, NO. TRANSMITTED RECORDS=*nnnnn*, LAST VOLSER/COORD=*xxxxxxxx*

Module(s): ZHC06900
Explanation: Information when the **DL** command is used.
System action: None
Operator action: None

HAC122A UNSOLICITED DEVICE END RECEIVED, UNIT = *cuu*

Module(s): ZHC06500
Explanation: The HCC-AML communication interface operates with errors. There can be a number of causes:

1. Error on the DCA-IRMA- or 3278-EMULATION card in the interface computer.
2. Error in the respective software of the above components.
3. Defective coax line.
4. Control unit error.

System action: HCC has no connection to the AML system
Operator action: Check the above mentioned causes and inform the Customer Help Desk if the error cannot be corrected.

HAC123I VOLUME *volser* NOT FOUND IN HACC ARCHIVE

Module(s): ZHC01530
Explanation: Attempt to eject a cartridge which is not defined in the Archive mirror.
System action: None
Operator action: Check the *volser* specified in the message.

HAC124I VOLUME *volser* IS EJECTED [-MANPOOL]

Module(s): ZHC00700
Explanation: This message is displayed after each eject process. "MANPOOL" is displayed when the eject (**EJ**/**EJDSN**) was initiated with this option.
System action: None
Operator action: None

HAC125I VOLSER *volser* IS CLEANING CARTRIDGE

Module(s): ZHC01530 - ZHC01500 - ZHC01900 - ZHC08400
Explanation: Attempt to load a cartridge which is defined as a cleaning cartridge in the Archive mirror.
System action: HCC does not perform the load.
Operator action: Check the status of the *volser* to be loaded and specified in the message.

HAC126I "VOLUME-INSERT" WILL BE ACCEPTED

Module(s): ZHC00700
Explanation: Follow-up message for HAC136I, HAC137A, HAC138A. During insert, differences exist between AMU or archive computer and HCC Archive mirror.
System action: The insert executed by AML is accepted and the HCC Archive mirror automatically corrected.
Operator action: None

HAC127I ABBA-QUEUE NOT EMPTY

Module(s): ZHC0150C
Explanation:
System action:
Operator action:

HAC128I VICC FOR VOLUME *XXXXXX* IS ALREADY IN ROB-QUEUE

Module(s): ZHC00700
Explanation: An **SCH** command has found a volser in the insert area for which another positive **SCH** has already generated a **VICC** command. No second **VICC** is generated and this **VI** is terminated.
System action: None.
Operator action: None.

HAC129A NO MORE CLEAN-CARTRIDGES AVAILABLE, SYS=*s*,ROB=*r*, PLEASE INSERT IMMEDIATELY

Module(s): ZHC06900
Explanation: There are no more usable cleaning cartridges in the archive.
System action: HCC continues processing and repeats this message every two minutes.
Operator action: Insert a new cleaning cartridge as soon as possible to maintain automatic cleaning.

HAC130A TERMINATION FORCED DUE TO INCOMPLETE SUBTASKS

Module(s): ZHC10100
Explanation: A subtask cannot terminate properly during a HCC stop. The HCC main task forces termination.
System action: HCC terminates abnormally.
Operator action: Error documentation required as described in the relevant section.

HAC131I VI ON DEVICE I*xx* SYSTEM *s* WILL BE STOPPED

Module(s): ZHC06900
Explanation: Is indicated with error message HAC128I, refer to HAC128I.
System action: None
Operator action: None

HAC132A ABNORMAL END OF HACC

Module(s): ZHC00100 - ZHC01700 - ZHC10100
Explanation: Terminating message after severe HCC errors. If the cause of the preceding error cannot be defined, inform Customer Help Desk.
System action: None
Operator action: Error documentation required as described in the relevant section.

HAC133I SIMULATION ON DUMMY-UNITS

Module(s): ZHC0150D
Explanation: This information is issued upon display of the **DU** command, when HCC was started in simulation mode.
System action: None
Operator action: None

HAC134I INVALID PARM-LIST FROM TMS-EXIT *module*, REQUEST IS IGNORED

Module(s): ZHC05800 - ZHC08600
Explanation: This message can occur during the execution of the **FREEVOL** command. The USER-EXIT installed to determine SCRATCH cartridges returned with errors.
System action: HCC does not substitute scratch information.
Operator action: Inform the responsible system programmer immediately. HCC may run out of SCRATCH cartridges soon.

HAC135A COORTAB OVERFLOW, MODULE=*module*

Module(s): ZHC05900
Explanation: Severe HCC error.
System action:
Operator action: Error documentation required as described in the relevant section.

HAC136I VOLSER *volser* NOT EJECTED ACCORDING TO HACC ARCHIVE

Module(s): ZHC00700
Explanation: During insert of a cartridge with the *volser* it is determined, according to the HCC Archive mirror, that the cartridge was not ejected. The causes may be:
- manual cartridge eject/swapping
- preceding **EJ** command terminated abnormally during execution (for example, **DELQ FORCE**)
- inventory result not corrected after installation

System action: This message is followed by HAC126I to confirm that the HCC Archive mirror has been corrected to show that the "cartridge is in archive".
Operator action: None

HAC137A INSERT-COORDINATES DISCREPANCY, ABBA=*coord*,HACC=*coord*

Module(s): ZHC00700
Explanation:
System action:
Operator action:

HAC138I ABBA-COORDS. OF VOLSER *volser* ARE USED TO UPDATE HACC ARCHIVE

Module(s): ZHC00700
Explanation: Archive mirror differences between AMU or archive computer and HCC during insert.
System action: The insert performed by the robot is accepted and the HCC Archive mirror automatically corrected to the actual situation.
Operator action: None

HAC139I NO PATH FOR EXCP/LU2 ACTIVE, IF APPC PATH USE 'SWITCH COM,HID=AX'

Module(s): H015093
Explanation: Command '**COM s,SWITCH**' cannot be executed because no LU2 path is defined with 'COMDEFx=' in the HACPARM1.
System action: The communication path is not switched.
Operator action: None

HAC141I UPDATE FOR VOLSER *volser* SUCCESSFULLY COMPLETED

Module(s): ZHC00700
Explanation: Information message concerning the successful status update of a *volser* both in the AMU or the archive computer and in the HCC Archive mirror after execution of a **UPV** command.
System action: None
Operator action: None

HAC142I SYNTAX ERROR: *command*

Module(s): ZHC01300 - ZHC01500 - ZHC10300
Explanation:
System action: None
Operator action:

HAC143I OPERAND MISSING OR INCORRECT: *command*

Module(s): ZHC01500 - ZHC04100 - ZHC04300 - ZHC04500s - ZHC04600 ZHC06900
Explanation:
System action: None
Operator action:

HAC144I CARTRIDGE *volser* INSERTED

Module(s): ZHC00700
Explanation: Information message after each successful insert with the **VI** command.
System action: None
Operator action: None

HAC145I *robot error message*

Module(s): ZHC01100 - ZHCC2500 - ZHCU2500
Explanation:
System action:
Operator action:

HAC146I TAPE LABEL INITIALIZATION ACTIVE

Module(s): ZHC0150B
Explanation:
System action:
Operator action:

HAC147I JOB *jobname* NOT CANCELED

Module(s): ZHC01100
Explanation:
System action: None
Operator action:

HAC148I NO.OF PASSED SCRATCH-TAPES BY TMS-EXIT = *nnnnnn*

Module(s): ZHC05800 - ZHC08600
Explanation: The **FREEVOL** command transfers *nnnnnn* scratch volsers to HCC.
System action: None
Operator action: None

HAC149I NO.OF EJECTED SCRATCH-TAPES = *nnnnnn*

Module(s): ZHC05800
Explanation: *nnnnnn* of the scratch volsers specified in message HAC148I are identified as ejected in the HCC Archive mirror.
System action: None
Operator action: None

HAC150I NO.OF CLEAN-CARTRIDGES = *nnnnnn*

Module(s): ZHC05800
Explanation: *nnnnnn* of the scratch volsers specified in message HAC148I are identified as cleaning cartridges in the HCC Archive mirror.
System action: None
Operator action: None

HAC151I NO.OF UNKNOWN CARTRIDGES = *nnnnnn*

Module(s): ZHC05800
Explanation: Statistic information after **FREEVOL** execution. *nnnnnn* of the scratch volsers specified in message HAC148I are not available in the HCC Archive mirror.
System action: None
Operator action: None

HAC152I SEQNO *sqno* NOT YET SENT, NO "REPEAT" ALLOWED

Module(s): ZHC01511
Explanation: Attempt to use the **REP** command to repeat a task not sent yet, this is not possible.
System action: None
Operator action: Check the sequence number entered with the **REP** command.

HAC153A EJECT RECOVERY INCOMPLETE. NO.OF EJECTS QUEUED=*nnnnn*

Module(s): ZHC02300
Explanation: More than 1000 cartridges with status "to be ejected" were found in the Archive mirror during the HCC start recovery.
System action: Only the first *nnnnn* cartridges are moved to the transmit wait queue to avoid wait queues overflowing.
Operator action: This message indicates an archive or process error. Check the volsers identified as "to be ejected".

HAC154A HACC RELEASE INCOMPATIBILITY:
ACTIVE=*release*, USED=*release*

Module(s): ZHC00100 - ZHC10300
Explanation: A HCC version incompatible with the CSA data still resident was started.
System action: HCC does not start
Operator action: When this is correct, start HCC in this case with the parameter option **SSI=Y**.

HAC155I STATUS WRITE-SYSTEMLOG FOR ABBA-COM: [*on/off/only*]

Module(s): ZHC0150B
Explanation: Information message for **DA** command. The significance is as follows:
on: all HCC-AML communication commands are written with WTO to the standard SYSLOG
off: no SYSLOG information for AML communication
only: only SYSLOG information when HACCLOG is enabled.
System action: None
Operator action: None

HAC156I SEARCH COMPLETED ON DEVICE I*nn*, SYSTEM *s*,
TAPES FOR INSERT=*nnnnn*

Module(s): ZHC06900
Explanation: Completion message for an insert (**VI** command), when the search of the input/output unit is completed.
System action: None
Operator action: None

HAC157I PARMS FOR SECSYS IGNORED: *parmvalues*

Module(s): ZHC00100
Explanation: Parameters only available for the primary system were specified during the start of a secondary HCC system.
System action: None
Operator action: None

HAC158I SYS *s*,ROB *r*: INACTIVE - IN MANUAL MODE

Module(s): ZHC00700
Explanation: Is displayed as information with the **DA** command.
System action: None
Operator action: None

HAC159A EXTERNAL-MOUNT TABLE OVERFLOW ,MODULE=*module*

Module(s): ZHC05900
Explanation: Severe HCC error.
System action:
Operator action: Error documentation required as described in the relevant section.

HAC160I HACC IDENTIFIER *Hx* NOT DEFINED IN HACPARM1

Module(s): HAC23013
Explanation: The HCC name *Hx* specified in the started task is not defined in HACPARM1.
System action: HCC is terminated.
Operator action: Change HID to started task or the HACNET statement to HACPARM1.

HAC161I DUPLICATE KEEP MESSAGE WITH DIFFERENT VOLSERS:*volser*,*volser*

Module(s): ZHC06900
Explanation:
System action:
Operator action:

HAC162I DUPLICATE KEEP MESSAGE FOR VOLSER *volser*

Module(s): ZHC06900
Explanation:
System action:
Operator action:

HAC163A LABEL DISCREPANCIES IN BARCODE/HEADER=*volser/volser*, CHANGE STICKER

Module(s): ZHC06100 - ZHC06200 - ZHC06300 - ZHC06400
Explanation: Warning message upon execution of a label check. The label of the specified volser is false.
System action: None
Operator action: Eject and check the cartridge.

HAC164I LABEL CHECK ENDED, SPECIFIED VOLUMES ARE INSPECTED

Module(s): ZHC06900
Explanation: Information message.
System action: None
Operator action: None

HAC165I NO VOLSERS SPECIFIED FOR LABEL CHECK (S. LCK-COMMAND)

Module(s): ZHC01524 ZHC06900
Explanation: The **SLCK** command was input before a **LCK** command.
System action: None
Operator action: Input a **LCK** command first when necessary.

HAC166I TAPES TO BE EJECTED *nnnnn*

Module(s): ZHC05900
Explanation:
System action:
Operator action:

HAC167A CATALOG LOCATE RC=*rr*, EJDSN=*dsname*

Module(s): ZHC01530 - ZHC08400
Explanation: The file name specified in an **EJDSN** command could not be found in the standard catalog search sequence.
System action: None
Operator action: Check the validity of the specified file name.

HAC168I NOT 3480-DEVICETYPE *devtype* AT EJ-VOLSER *volser*

Module(s): ZHC01530 - ZHC08400
Explanation: The volser specified in an **EJDSN** command has an invalid unit type in the MVS catalog.
System action: None
Operator action: If required, check the validity of the specified *devtype*.

HAC169A NO OF VOLSERS ZERO OR > 20 FOR EJDSN=*dsname*

Module(s): ZHC01530 - ZHC08400
Explanation:
System action:
Operator action:

HAC170I MAX.TSO OPERATOR SESSIONS ACTIVE, TRY LATER

Module(s): ZHC01518 - ZHC0151A
Explanation: HCC controls that not more than 10 ABBASEND MONITOR sessions with the SOP option enabled are initiated in parallel.
System action: None
Operator action: If required, call the **A**BBASEND again later.

HAC171I NO TSO OPERATOR SESSION REQUESTED

Module(s): ZHC01519
Explanation:
System action:
Operator action:

HAC172I TSO OPERATOR SESSION ALREADY ACTIVE

Module(s): ZHC01518
Explanation:
System action:
Operator action:

HAC173I TSO OPERATOR SESSION [*started/stopped*]

Module(s): ZHC01518
Explanation:
System action:
Operator action:

HAC174A ATTENTION EXIT NOT INITIALIZED, RC=*rr*

Module(s): ZHC10300
Explanation: ABBASEND error.
System action:
Operator action: Error documentation required as described in the relevant section.

HAC175I HOT-START RECOVERY IN EXECUTION

Module(s): ZHC02300 - ZHC04100
Explanation: HCC was started with PARM HOT=Y (standard case). Information message.
System action: None
Operator action: None

HAC176I RETRY LIMIT OF *nn* FOR KE/N206 EXCEEDED;SQNR=*sqnr*,UNIT=*uuuu*

Module(s): HAC23011
Explanation: A Keep request has been rejected several times with N206. HCC performed the maximum number of repeat attempts (KEEPWT=...) without success. This message follows the messages HAC065A, HAC145I, HAC089A.
System action: The request is not repeated automatically, it remains in the error queue.
Operator action: The drive status must be clarified; it may be possible to clear the status with an MVS Unload command.

HAC177A CONDITIONAL GETMAIN FOR HACC-CVT, RC=*rrrr*

Module(s): ZHC01700
Explanation: Severe error in HCC.
System action:
Operator action: Error documentation required as described in the relevant section.

HAC178A H52-BUFFER OVERFLOW, MODULE=*module*

Module(s): ZHC05200
Explanation: Severe error in HCC.
System action:
Operator action: Error documentation required as described in the relevant section.

HAC179A INVALID ECB, USER *userid* DEACTIVATED FOR REPOST

Module(s): ZHC06900
Explanation: An invalid ECB was found for a FEED BACK REQUEST from ABBASEND (WAIT option or active SPD session). This situation can occur in the termination phase of an address area.
System action: A further RE-POST is not performed.
Operator action: None

HAC180A BUFFER *buffname* OVERFLOW, MODUL=*module*

Module(s): ZHC06900
Explanation: Severe error, HCC terminated. This situation can occur in a long-standing disk RESERVE situation for another CPU. The respective file can be determined from the specified buffer name *buffname*:

H59BUF*x*	Archive
H50BUF*x*	Unit Statistic log
H*$$*BUF*x*	Exchange log
	$ is the suffix of the specified module
	[*$*=54 EXC1, *$$*=55 EXC2, *$$*=56 EXC3]

System action: HCC terminates abnormally
Operator action: Increase the relative buffer values in the BUFNO parameter.

HAC181I HACC IN TEST MODE - NO COMMUNICATION

Module(s): HAC230001
Explanation:
System action:
Operator action:

HAC182I EXTERNAL MOUNT ENTRY IN USE OR "TAPE-IN-USE"

Module(s): ZHC01535 - ZHC01536
Explanation:
System action:
Operator action:

HAC183I EXTERNAL MOUNT ENTRY NOT SPECIFIED

Module(s): ZHC06900
Explanation:
System action:
Operator action:

HAC184I EXTERNAL MOUNT VOLUME *volser* ENQUEUED OR IN-USE

Module(s): ZHC01535 - ZHC01536 - ZHC01537
Explanation: Message for foreign mount definitions.
System action:
Operator action:

HAC185I UPDATE FOR COORDINATE *coord* COMPLETED

Module(s): ZHC00700
Explanation: Information message on the successful status update of a coordinate both in the archive computer and in the HCC Archive mirror after execution of a **UPC** command.
System action: None
Operator action: None

HAC186I COORDINATE *coord* UNKNOWN IN ARCHIVE

Module(s): ZHC02400 - ZHC05900
Explanation:
System action:
Operator action:

HAC187I SYS *s*,ROB *r*: BARCODE READING ON

Module(s): ZHC0150B - ZHC00700
Explanation: Information messages on the status of barcode reading.
System action: None
Operator action: None

HAC188I SYS *s*,ROB *r*: BARCODE READING OFF

Module(s): ZHC0150B - ZHC00700
Explanation: Information messages on the status of barcode reading.
System action: None
Operator action: None

HAC189I NO.INCOMPLETE FUNCTIONS *nnnnn*

Module(s): ZHC05900
Explanation:
System action:
Operator action:

HAC190I TAPE LABEL CHECK ACTIVE

Module(s): ZHC0150B
Explanation: None
System action: None
Operator action: None

HAC191I ARCHIVE COMPARE HOST-ABBA ACTIVE

Module(s): ZHC0150B - ZHC0154A
Explanation:
System action:
Operator action:

HAC192I NOSCR=*nnnnnn xxxxxx-yyyyyy* (*scratchpool*)

Module(s): ZHC01534 - ZHC01900 - ZHC06900
Explanation: Information message within a DSC display command, after a **FREEVOL** command or as a follow-up message after HAC058A if several scratch pools were specified with the VOLGR statement in the HACPARM1. *nnnnnn* specifies the number of cartridges which are marked in the HCC Archive mirror as scratch and *xxxxxx* - yyyyyy the number range determined within the *scratchpool*.
System action: None
Operator action: None

HAC193I MEMBER *member* NOT FOUND OR IS DUMMY MEMBER

Module(s): ZHC01300
Explanation: A member describing the installation cannot be located.
System action: HCC cannot start.
Operator action: Check the *member* specified in the message together with HACPARM1.

HAC194A INVALID BLKSIZE/LRECL FOR HACCPARM DSN=*dsname*

Module(s): ZHC01300
Explanation:
System action:
Operator action:

HAC195A HACCPARM TAB OVERFLOW, TOO MANY STATEMENTS

Module(s): ZHC01300
Explanation: The HACPARM1 member contains more than 1000 statements.
System action: HCC cannot be started.
Operator action: Check and change HACPARM1.

HAC196A HACCPARM UNITS AND UNIT LOG DISCREPANCIES. USE "FMTU=Y" OR "SSI=Y" AT HACC START

Module(s): ZHC05000 - ZHC10100
Explanation: The UNIT parameter of the HACPARM1 member was modified.
System action: HCC cannot be started.
Operator action: The UNIT LOG must be formatted. HACCSTART with **SSI=YES**.

HAC197A MODULE *module* NOT LOADED, RC=*rrrr*,REASON=*rrrr*

Module(s): ZHC00100 - ZHC10300 - ZHC30000 - ZHC30200 - ZHC30300 ZHC30400 - ZHC30500 - ZHC32200 - ZHC33000 - ZHC33100
Explanation: It was not possible to transfer the specified load module into the storage.
System action: HCC cannot be started.
Operator action: Error documentation required as described in the relevant section; additionally a directory extract from the HCC load module library. Restart HCC with **SSI=Y**

HAC198A INVALID ABBA UNIT IN HACCPARM FOR CUU= *cuu,nn*

Module(s): ZHC05000
Explanation: A unit not defined in the system generation/EDTGEN was defined in the HACPARM1 member.
System action: HCC cannot be started.
Operator action: Check and change HACPARM1, if required.

HAC199A UNIT LOG AND RECOVERY AREA DO NOT MATCH FOR CUU= *cuu*. "INITSSI=Y" REQUESTED

Module(s): ZHC02300
Explanation: The UNIT parameter of the HACPARM1 member was modified.
System action: HCC cannot be started.
Operator action: Restart HCC with PARM: **SSI=Y**.

HAC200I Total number of Opt. in Jukebox *nnnnnn*

Module(s): ZHC05901
Explanation: Information on the number *nnnnnn* of optical media in a jukebox.
System action: None
Operator action: None

HAC201I MAXIMUM RETRY LIMIT OF 3 FOR 'COM ACT' EXCEEDED FOR SYS x

Module(s): ZHC06500
Explanation: After COMTASK ZHC06500 was aborted, 3 attempts are made to restart the aborted task with an interval of approx. 30 seconds. After the 3rd unsuccessful attempt, this message is displayed and no further attempt is made.
System action: None
Operator action: Check and modify the components (AR/AMU definitions and HOST definitions), if required.

HAC202A No more NOTFULL volsers left for *stgname* and *libname*

Module(s): ZHC04904
Explanation: No OD in jukebox *libname* has sufficient space to satisfy an OAM request. OAM therefore requests an OD with status NOTFULL for storage group *stgname* and jukebox *libname*. This message indicates that no OD is defined in the AML system for this storage group.
System action: None
Operator action: Execute command "FREEVOL REP,TYPE=OPT".

HAC203A UNIT STATEMENT IN HACPARM1 CONTAINS INVALID ASSIGNMENT

Module(s): ZHC05900
Explanation:
System action:
Operator action:

HAC204I PARM INPUT: MEMBER=*member*,DSN=*dsname*

Module(s): ZHC01300
Explanation:
System action:
Operator action:

HAC205A REQUIRED HACPARM1 STATEMENT NOT SPECIFIED: *statement*

Module(s): ZHC01300
Explanation: Error message referring to HACPARM1 definitions.
System action: HCC cannot be started.
Operator action: The HACPARM1 statement shown in the message is missing and must be specified.

HAC206A 3480 ABBA UNITS NOT DEFINED

Module(s): ZHC01300
Explanation: Error message referring to HACPARM1 definitions.
System action:
Operator action:

HAC207A LDEV=E*xx* NOT DEFINED

Module(s): ZHC01300
Explanation: Error message referring to HACPARM1 definitions.
System action:
Operator action:

HAC208A CONFIGURATION STATEMENT *sysdefn* MISSING OR INCOMPLETE

Module(s): ZHC01300
Explanation: Error message referring to HACPARM1 definitions.
System action:
Operator action:

HAC209I SYS *s*,ROB *r*: IN AUTOMATIC MODE

Module(s): HAC23009
Explanation: None
System action: None
Operator action: None

HAC210I SYS *s*: READY FOR COMMUNICATION

Module(s): ZHC00700
Explanation: Positive result after an **ACOM** command.
System action: None
Operator action: None

HAC211I SYS *s*,ROB *r*: READY

Module(s): ZHC0150B - ZHC00700
Explanation: Positive result after a **ROSA** command.
System action: Automatic operation starts.
Operator action: None

HAC212I SYS *s*,ROB *r*: STOPPED

Module(s): ZHC00700
Explanation: Result after a **ROSO** command.
System action: The specified robot was stopped.
Operator action: This robot can be:

put into operation again only by a POWER-ON procedure	for ABBA/1 systems (Refer to ABBA/1 User Manual)
activated again with the **ROSA** command	for AML[/2/E] systems.

HAC213I SYS *s*,ROB *r*: IN POSITION

Module(s): ZHC00700
Explanation: Positive result after a **ROPO** command.
System action: None
Operator action: None

HAC214I VOLSER *volser* BELONGS TO ANOTHER ABBA SYSTEM AND/OR ROBOT

Module(s): ZHC01900
Explanation: The requested *volser* is assigned to a different AML system in the HCC Archive mirror or should be used for a foreign mount on another robot and the HWS is full or not defined.
System action: HCC does not execute this request.
Operator action: Read the follow-up message HAC218I, if displayed, as to whether the *volser* is a foreign mount entry or check and modify the HCC Archive mirror, if required.

HAC215I SCRATCH-GROUPS:

Module(s): ZHC06900
Explanation: Information message after a **FREEVOL** command if different scratch pools were specified with the VOLGR statement in the HACPARM1.
System action: None
Operator action: None

HAC216I NOSCR=*nnnnnn xxxxxx-yyyyyy* (*dsnpool*)

Module(s): ZHC01534 - ZHC01900 - ZHC06900
Explanation: Information message within a DSC display command, after a **FREEVOL** command or as follow-up message after HAC058A if a scratch pool selection using file names was defined with the DSNGR statement in HACPARM1. *nnnnnn* specifies the number of cartridges which are marked in the HCC Archive mirror as scratch and *xxxxxx* - yyyyyy the number range determined within the *dsnpool*.
System action: None
Operator action: None

HAC217I ROSA COMMAND ALREADY SENT

Module(s): ZHC04200
Explanation: None
System action: None
Operator action: None

HAC218I No free slot in HWS or HWS not defined

Module(s): ZHC01900
Explanation: A foreign mount entry should be mounted on a unit which is assigned to another robot. Either no HWS is defined or no slot is free within the defined HWS.
System action: HCC cannot execute this job.
Operator action: When no HWS is defined, this should be considered in the HACPARM1 or the job flow modified accordingly. When all HWS slots are occupied, the load must be repeated manually and the HWS definition extended accordingly in HACPARM1, if required.

HAC219I EJECT DEVICE NOT DEFINED FOR VOLSER *volser*

Module(s): ZHC01530 - ZHC00700 - ZHC08400
Explanation:
System action:
Operator action:

HAC220I CLEANING ACTION NOT COMPLETED: SYS=*s*,ROB=*r*

Module(s): ZHC0694C - ZHC01500
Explanation:
System action:
Operator action:

HAC221I COMMANDS TRANSMITTED BUT NOT ACKNOWLEDGED:

Module(s): ZHC0150C
Explanation:
System action:
Operator action:

HAC222I SYSTEM *s* NOT READY FOR COMMUNICATION

Module(s): ZHC01506 - ZHC0150C - ZHC01100
Explanation:
System action: None
Operator action:

HAC223I SYS *s*,ROB *r*: NOT READY

Module(s): ZHC0150C - ZHC01100
Explanation:
System action:
Operator action:

HAC224I SYS *s*,ROB *r*: IN MANUAL MODE

Module(s): ZHC0150B - ZHC0150C
Explanation:
System action:
Operator action:

HAC225I INVALID EJECT DEVICE *xx* FOR VOLSER *volser*,EJECT NOT PERFORMED

Module(s): ZHC0152F - ZHC02300
Explanation:
System action:
Operator action:

HAC226I INVALID ABBA SYSTEM: *s*

Module(s): ZHC00700
Explanation:
System action:
Operator action:

HAC227I INVALID ROBOT NUMBER: *r*

Module(s): ZHC00700
Explanation:
System action:
Operator action:

HAC228I INVALID ABBA RESPONSE: *command*

Module(s): ZHC00700
Explanation:
System action:
Operator action:

HAC229I DOWNLOAD ALREADY ACTIVE

Module(s): ZHC01551
Explanation:
System action:
Operator action:

HAC230I FREEVOL FOR *ttt* IN PROGRESS

Module(s): ZHC05700
Explanation: Message at the start of a **FREEVOL** process. Values for *ttt*:
OPT - FREEVOL for optical disks
CAR - FREEVOL for cartridges
System action: FREEVOL process started.
Operator action: None

HAC231I ARCHIVE COMPARE ENDED, LAST VOLSER/COORD=*xxxxxxxx*

Module(s): ZHC06900
Explanation:
System action:
Operator action:

HAC232I NO.OF COMPARED VOLSERS/COORDS=*nnnnn*,
NO.OF DIFFERENCES=*nnnnn*

Module(s): ZHC06900
Explanation:
System action:
Operator action:

HAC233I VOLUME *volser* IS ALREADY EJECTED, REQUEST IGNORED

Module(s): ZHC01530 - ZHC01500 - ZHC08400 - ZHC10100
Explanation: None
System action: HCC does not execute the job.
Operator action: Check whether the specified *volser* was ejected and insert it again, if required.

HAC234I FREEVOL FOR OPT FOUND *ttttttttttttt* : nnnnn

Module(s): ZHC05700
Explanation: The FREEVOL process statistics for optical disk on data *ttttttttttttt* read in can be:

TOTAL VOLSERS	- number of volsers read in
A-VOLSERS	- thereof A volsers
B-VOLSERS	- thereof B volsers
UNKNOWN VOLSERS	- thereof undefined
NON-OD VOLSERS	- thereof no ODs
EJECTED VOLSERS	- number of ejected A volsers

System action:
Operator action: None

HAC235I ROBOT TEST FUNCTIONS INACTIVE

Module(s): ZHC01526
Explanation:
System action:
Operator action:

HAC236I NO VOLSERS FOR ROBTEST SPECIFIED (APPLY ADD-COMMAND)

Module(s): ZHC01526
Explanation:
System action:
Operator action:

HAC237I SPECIFIED TEST VOLSERS: *nnnn*

Module(s): ZHC01526
Explanation:
System action:
Operator action:

HAC238I TAPE LABEL INITIALIZATION ENDED.
SPECIFIED VOLSERS ARE INITALIZED

Module(s): ZHC06000
Explanation:
System action:
Operator action:

HAC239I NO VOLSERS SPECIFIED FOR LABEL INIT,APPLY TLI-COMMAND

Module(s): ZHC0153F - ZHC06900
Explanation:
System action:
Operator action:

HAC240A DCB ABEND AT WRITE MESSAGE LOG, RC=*rrrrrr*,
MESSAGE LOG INACTIVE

Module(s): ZHC06000
Explanation:
System action:
Operator action:

HAC241I MESSAGE LOG IS ALREADY ACTIVE

Module(s): ZHC01507
Explanation:
System action:
Operator action:

HAC242I MESSAGE LOG IS NOT ACTIVE

Module(s): ZHC01508 - ZHC01556 - ZHC01500
Explanation:
System action:
Operator action:

HAC243I MESSAGE LOG IS ACTIVE, DSN=*dsname*

Module(s): ZHC06000
Explanation:
System action:
Operator action:

HAC244I MESSAGE LOG ENDED, DSN=*dsname*

Module(s): ZHC06000
Explanation: Entry of a **LOGSTOP** or **END** command tasked HCC to close the existing Log dataset and to deactivate the log writing subtask. *dsname* contains the HACCLOG dataset last activated.
System action: No further messages are written to a HACCLOG dataset.
Operator action: None

HAC245A UNIT *cuu* NOT GENERATED AS 3480 DEVICE

Module(s): ZHC02700
Explanation:
System action:
Operator action:

HAC246I TOTAL NO. SCRATCH *tttt nnnnn.*

Module(s): ZHC05900
Explanation: Information on the number *nnnnnn* of SCRATCH volsers or NOTFULL ODs in the archive.
tttt can be

CART to display scratch cartridges
OPT. to display NOTFULL ODs.

System action: None
Operator action: None

HAC247I AVAILABLE SCRATCH *text1 nnnnn*

Module(s): ZHC01534 - ZHC05900
Explanation: Number of available SCRATCH media at HCC start and after entering the **DSC** command **DSC**.
text1 can be:

OPTS	- for optical media
TAPES	- for cartridges

System action: None
Operator action: Check the number of SCRATCH media.

HAC248I SYS *s*,ROB *r*: FPMA UNLOAD COMPLETED

Module(s): ZHC00700 - ZHC04600
Explanation:
System action:
Operator action:

HAC249I ARCHIVE UPDATE FOR SCRATCH *text1* STARTED

Module(s): ZHC05900
Explanation: Message when the FREEVOL process is executed; Archive update was started with SCRATCH information.
text1 can be:

OPTS.	- for FREEVOL,... ,TYPE=OPT
TAPES	- for FREEVOL,... .TYPE=CAR

System action: Starts Archive update with new SCRATCH information. Message HAC250I is displayed after a successful update.
Operator action: None

HAC250I ARCHIVE UPDATE FOR SCRATCH *text1* SUCCESSFULLY COMPLETED

Module(s): ZHC05900
Explanation: Message during execution of the FREEVOL process; after termination of Archive update with new SCRATCH information.
text1 can be:

OPTS.	- for FREEVOL,... ,TYPE=OPT
TAPES	- for FREEVOL,... .TYPE=CAR

System action: The Archive update was performed.
Operator action: None

HAC251I SYS *s*,ROB *r*: NO FPMA INSTALLED

Module(s): ZHC04600
Explanation:
System action:
Operator action:

HAC252I SYS *s*,ROB *r*: FPMA-LOAD/UNLOAD ALREADY ACTIVE

Module(s): ZHC04600
Explanation:
System action:
Operator action:

HAC253I SYS *s*,ROB *r*: FPMA-LOAD/UNLOAD NOT ACTIVE

Module(s): ZHC04600
Explanation:
System action:
Operator action:

HAC254I SYS *s*,ROB *r*: FPMA-VI FOR SCRATCH TAPES ACTIVE

Module(s): ZHC0150B - ZHC04600
Explanation:
System action:
Operator action:

HAC255I SYS *s*,ROB *r*: FPMA-VI FOR SCRATCH TAPES INACTIVE

Module(s): ZHC04600
Explanation:
System action:
Operator action:

HAC256I SYS *s*,ROB *r*: FPMA-MOUNT/KEEP ALREADY ACTIVE

Module(s): ZHC04600
Explanation:
System action:
Operator action:

HAC257I SYS *s*,ROB *r*: FPMA-MOUNT/KEEP NOT ACTIVE

Module(s): ZHC04600
Explanation:
System action:
Operator action:

HAC258I SYS *s*,ROB *r*: FPMA-LOAD/UNLOAD ACTIVE

Module(s): ZHC0150B - ZHC04600
Explanation:
System action:
Operator action:

HAC259I SYS *s*,ROB *r*: FPMA-LOAD/UNLOAD INACTIVE

Module(s): ZHC00700 - ZHC04600
Explanation:
System action:
Operator action:

HAC260I SYS *s*,ROB *r*: FPMA-MOUNT/KEEP ACTIVE

Module(s): ZHC0150B - ZHC04600
Explanation:
System action:
Operator action:

HAC261I SYS *s*,ROB *r*: FPMA-MOUNT/KEEP INACTIVE

Module(s): ZHC04600
Explanation:
System action:
Operator action:

HAC262I SYS *s*,ROB *r*: FPMA-LOAD/UNLOAD IDLE

Module(s): ZHC0150B - ZHC04600
Explanation:
System action:
Operator action:

HAC263I SYS *s*,ROB *r*: FPMA-VI FOR SCRATCH TAPES ALREADY ACTIVE

Module(s): ZHC04600
Explanation:
System action:
Operator action:

HAC264I SYS *s*,ROB *r*: FPMA UNLOAD ACTIVE

Module(s): ZHC04600
Explanation:
System action:
Operator action:

HAC265I INVALID SYSTEM OR ROBOT NO.

Module(s): ZHC0154E - ZHC01500 - ZHC04500 - ZHC06900
Explanation:
System action:
Operator action:

HAC266I NO FUNCTIONS ACTIVE

Module(s): ZHC0150B - ZHC0155D
Explanation:
System action:
Operator action:

HAC267I SYS *s*,ROB *r*: ROSA PENDING, NOT YET ACKNOWLEDGED

Module(s): ZHC0150B
Explanation:
System action:
Operator action:

HAC268A INCORE ARCHIVE AND DISK ARCHIVE DISCREPANCIES. VOLSER=*volser*

Module(s): ZHC05900
Explanation: Severe error in HCC.
System action:
Operator action: Error documentation required as described in the relevant section.

HAC269I PRECEDING REP COMMAND NOT YET ACKNOWLEDGED

Module(s): ZHC01511
Explanation:
System action:
Operator action:

HAC270I SYS *s*,ROB *r*: IN HOLD STATE

Module(s): ZHC01506 - ZHC0150B - ZHC0150C - ZHC01511
Explanation:
System action:
Operator action:

HAC271I SYS *s*,ROB *r*: COMMUNICATION IN HOLD STATE

Module(s): ZHC01506 - ZHC0150B - ZHC0150C - ZHC01511
Explanation:
System action:
Operator action:

HAC272I SYS *s*,ROB *r*: DOUBLE BUFFERING SEND ACTIVE

Module(s): ZHC0150B
Explanation:
System action:
Operator action:

HAC273A SYS *s*: TIMEOUT SINCE *nnnnnn* MIN.

Module(s): ZHC10100
Explanation: Severe error. The possible causes are:
- Communication PC failure
- Archive computer PC failure
- Robot IC failure
- Token Ring failure

System action:
Operator action:

HAC274I NO EJECT DEVICES DEFINED

Module(s): ZHC01300
Explanation: During the HCC initialization phase it was determined that no eject devices had been defined. Refer to message HAC205A.
System action: The HCC initialization is aborted as it is a mandatory parameter.
Operator action: Define an LDEV statement for at least one eject device.

HAC275I NO INSERT DEVICES DEFINED

Module(s): ZHC01300
Explanation: During the HCC initialization phase it was determined that no insert devices had been defined. Refer to message HAC205A.
System action: The HCC initialization is aborted as it is a mandatory parameter.
Operator action: Define an LDEV statement for at least one insert device.

HAC276I INVALID INSERT DEVICE

Module(s): ZHC01531
Explanation:
System action:
Operator action:

HAC277I EJECT DEVICE E*xx* SYSTEM *s* CONTINUE ACCEPTED

Module(s): ZHC01555
Explanation:
System action:
Operator action:

HAC278I CSA RECOVERY inactive

Module(s): ZHC0150B
Explanation:
System action:
Operator action:

HAC279I INVALID COORDINATE coord AT VOLSER *volser*

Module(s): ZHC05900
Explanation:
System action:
Operator action:

HAC280I HACPARM1 UNIT STATEMENTS DISAGREE WITH ARCHIVE COORDINATES. UNIT= *cuu*,COOR=*coord*

Module(s): ZHC05900
Explanation:
System action:
Operator action:

HAC281I MOUNT LOOP ON UNIT *cuu* ,VOLSER=*volser*,JOBNAME=*jobname*

Module(s): ZHC00600
Explanation: HCC suspects a mount loop situation because the HAC386I message has been repeated four times.
System action: Refer to message HAC282I.
Operator action: Refer to message HAC282I.

HAC282I NO MORE AUTOMATIC MOUNTS, REQUEST REMAINS PENDING

Module(s): HAC230006
Explanation: HCC detected a mount loop. The possible causes are:
- repeated remount message IEF234E
- identical mount volser
- identical mount unit
- identical job name

Refer to preceding messages HAC281I and HAC386I.
System action: The job is no longer serviced automatically with the defective "volser".
Operator action: There is probably a difference between the label and the header label.

HAC283I VI NOT ACTIVE'

Module(s): ZHC01531
Explanation:
System action:
Operator action:

HAC284I FREEVOL PROCESSING FOR *ttt* COMPLETED *text2*

Module(s): ZHC05700
Explanation: Message after termination of a FREEVOL process.
ttt can be:

OPT - FREEVOL for optical disks
CAR - FREEVOL for cartridges

text2 can be:

SUCCESSFULLY
NOT SUCCESSFUL

System action: The FREEVOL process is terminated.
Operator action: None

HAC285I INVENTORY ENDED. NO.OF VOLSERS=*nnnnn*,
NO.OF DIFFERENCES=*nnnnn*

Module(s): ZHC06900
Explanation:
System action:
Operator action:

HAC286I VOLSER *volser* NOT FOUND IN SELECTED ABBA SYSTEM.

Module(s): ZHC01500
Explanation:
System action:
Operator action:

HAC287I INVENTORY NOT ACTIVE

Module(s): ZHC0154E - ZHC0154F
Explanation:
System action:
Operator action:

HAC288I INVENTORY IS ALREADY ACTIVE

Module(s): ZHC01558
Explanation:
System action:
Operator action:

HAC289I VOLUME INSERT IS ALREADY ACTIVE

Module(s): ZHC01531
Explanation:
System action:
Operator action:

HAC290I COORDINATE *coord* NOT DEFINED

Module(s): ZHC00700 - ZHC01500 - ZHC06900
Explanation:
System action:
Operator action:

HAC291I UPLOAD IS ALREADY ACTIVE

Module(s): ZHC01550
Explanation:
System action:
Operator action:

HAC292I TOWER/RACK DEVICES NOT DEFINED

Module(s): ZHC01300
Explanation:
System action:
Operator action:

HAC293I INVENTORY DATA FROM ROBOT USED TO UPDATE HACC ARCHIVES

Module(s): ZHC06900
Explanation:
System action:
Operator action:

HAC294I COORTAB-POINTER *pointer* DOES NOT POINT TO ASRTAB VOLSER *volser*

Module(s): ZHC06900
Explanation: Severe error in HCC.
System action:
Operator action: Error documentation required as described in the relevant section.

HAC295I SYS *s*,ROB *r*: INVENTORY DIFFERENCES AT:

Module(s): ZHC06900
Explanation: Warning message during inventory.
System action: None
Operator action: Refer to the following message HAC296I.

HAC296I ABBA: VOLSER=*volser*,STATUS=*ss*,COORD=*coord*

Module(s): ZHC06900
Explanation: Warning message during inventory.
System action: None
Operator action: Refer to the header message HAC295I.

HAC297I HACC: VOLSER=*volser*,STATUS=*ss*,COORD=*coord*

Module(s): ZHC06900
Explanation: Warning message during inventory.
System action: HCC performs further possibly pending inventory tasks.
Operator action: It is recommended to perform a visual check of the AML archive and then use the **UPV**/**UPC** command to correct actual deviations.

HAC298I UPLOAD ARCHIVE ACTIVE

Module(s): ZHC01550
Explanation:
System action:
Operator action:

HAC299I UPLOAD ENDED, NO. OF RECEIVED RECORDS=*nnnnn*, LAST VOLSER/COORD.=*volser/coord*

Module(s): ZHC06900
Explanation:
System action:
Operator action:

HAC300I EXTERNAL MOUNT POSITION *pppppp* NOT DEFINED

Module(s): ZHC01535 - ZHC01536 - ZHC01537
Explanation:
System action:
Operator action:

HAC301I COMPARE ARCHIVE NOT ACTIVE

Module(s): ZHC0154B
Explanation:
System action:
Operator action:

HAC302A SHUTDOWN ARCHIVE-PC SYSs COMPLETE

Module(s): ZHC00700
Explanation: Confirmation message after **AOFF** command.
System action: The AMU or the AR (archive computer) is deactivated.
Operator action: The PC can only be restarted manually.

HAC303I WRAP AROUND COMPLETED, DSN=*dsname*

Module(s): ZHC07000
Explanation: Information message from a secondary HCC system.
System action: The Exchange log file is a wrap-around file and the physical end was reached.
Operator action: Extend the file when this message appears often.

HAC304A TAPE *volser* IS EJECTED.
MOUNT FOR JOB *jobname* SUSPENDED UNTIL "VI" COMPLETION

Module(s): ZHC01900
Explanation: A cartridge to be inserted is marked as ejected in the HCC Archive mirror.
System action: The pending MOUNT is suspended (refer to **DU** command). If the cartridge is not available, the MOUNT-Request (JOB) should be cancelled.
Operator action: Cancel the MOUNT request (JOB) when the cartridge is not available. If, however, the cartridge can be inserted, the pending MOUNT is automatically processed by HCC after successful insert of the requested cartridge.

HAC305I SQNR *sqnr* (KE/N206) WILL BE AUTO-REPEATED *nn* TIMES',

Module(s): ZHC01100
Explanation: Error N206 issued for a **KEEP** command.
System action: *nn* attempts are made to repeat the KEEP request with *sqnr* in accordance with the KEEPWT parameter in HACPARM1.
Operator action: None

HAC306I EJECT DEVICE E*xx* SYSTEM *s* STOPPED BY OPERATOR

Module(s): ZHC0150B
Explanation: The eject in area *nn* of system *s* was interrupted with an **EJSTOP** command.
System action: None
Operator action: Continue eject with an **EJCONT** command; message HAC277I is then displayed.

HAC307A EJECT DEVICE E*xx* SYSTEM *s* DOOR OPEN

Module(s): ZHC0150B - ZHC01100
Explanation: The eject in area *nn* of systems *s* cannot be continued because the door is not closed.
System action: None
Operator action: Continue eject with an **EJCONT** command after the door was closed.

HAC308I EJECT DEVICE E*xx* SYSTEM *s* UNDEFINED

Module(s): ZHC0152F - ZHC01555 - ZHC0156B - ZHC33100
Explanation: Various commands for EJ address an undefined eject area.
System action: HCC could not perform the eject(s).
Operator action: Check and, if required, modify the eject device *nn* which is specified in the message or define it within HACPARM1.

HAC309A EJECT DEVICE E*xx* SYSTEM *s* OVERFLOW

Module(s): ZHC0150B - ZHC01100 - ZHC33100
Explanation: An area overflow occurred during the eject into area *nn* in system *s*.
System action: HCC does not perform any further ejects in this area.
Operator action: Remove all cartridges in this area. Then continue the eject by issuing the relevant **EJCONT** command.

HAC310A COMMON VSAM ERROR=*rrrr*,MODULE=*module*,FUNCTION=*function*

Module(s): ZHC30000 - ZHC31800
Explanation:
System action:
Operator action:

HAC311A VSAM LERAD CODE=*rrrr*,MODULE=*module*,FUNCTION=*function*

Module(s): ZHC30000 - ZHC32200
Explanation:
System action:
Operator action:

HAC312A LDEV: DEVICE *dev* DUPLICATE DEFINED ON SYSTEM *s*

Module(s): ZHC01300
Explanation: HACPARM1 member is erroneous.
System action:
Operator action:

HAC313A INVALID ARCHIVE CONTROL RECORD, DSN=*dsname*

Module(s): ZHC31200- ZHC31300 - ZHC31400 - ZHC31600 - ZHC31800 ZHC33100
Explanation:
System action:
Operator action:

HAC314I NO OF "VIRTUAL" TAPES *nnnnn*

Module(s): ZHC05900
Explanation: Information at HCC start or after FREEVOL. Cartridges which are dynamically defined in the HCC Archive mirror, but have no fixed position in the AML library, are referred to as virtual tapes.
System action: None
Operator action: None

HAC315I FREEVOL ALREADY ACTIVE

Module(s): ZHC01528
Explanation:
System action:
Operator action:

HAC316I MESSAGE LOG SWITCHED, OLD DSN=*dsname*

Module(s): ZHC06000
Explanation: Self-explanatory.
System action: None
Operator action: None

HAC317I MESSAGE LOG SWITCHED, NEW DSN=*dsname*

Module(s): ZHC06000
Explanation: Self-explanatory
System action: None
Operator action: None

HAC318A UNIT ADRESS FOR COMDEF *cuu* NOT FOUND

Module(s): ZHC01300
Explanation: HACPARM1-Member is erroneous.
System action:
Operator action:

HAC319A COM DEVICE *cuu* NOT ACTIVE, NOT ONLINE TO MVS

Module(s): ZHC0155D - ZHC00300 - ZHC02300 - ZHC10100
Explanation: Failure of the communication to AML through console device *cuu*. The causes could be:
- Communication PC failure
- The *cuu* unit is no longer a console. This can be checked with the MVS command D C.

System action: HCC cannot transmit tasks to AML.
Operator action: Correct error immediately.

HAC320A ARCHIVE IN ERROR, DSN=*dsname*

Module(s): ZHC05900
Explanation:
System action:
Operator action:

HAC321A WARNING! LDEV DIFFERENCES
BETWEEN ARCHIVE AND HACPARM1

Module(s): ZHC05900
Explanation:
System action:
Operator action:

HAC322A ARCHIVE LDEV=*xxx*,COORDINATES=*coord*

Module(s): ZHC05900
Explanation:
System action:
Operator action:

HAC323A HACPARM1 LDEV=*xxx*,COORDINATES=*xxxxxxxxxxxxxx*

Module(s): ZHC05900
Explanation:
System action:
Operator action:

HAC324I MOUNT AFTER OPEN = yes

Module(s): ZHC0150B - ZHC0155A
Explanation:
System action:
Operator action:

HAC325I MODULE *module* NOT FOUND OR CANNOT BE REFRESHED

Module(s): ZHC0155B
Explanation:
System action:
Operator action:

HAC326I MODULE *module* REFRESEHD

Module(s): ZHC0155B - ZHC10100
Explanation:
System action:
Operator action:

HAC327A INVALID AUTHORIZATION CALL

Module(s): ZHC01000 - ZHC30200 - ZHC30300 - ZHC30400 - ZHC31900
Explanation:
System action:
Operator action:

HAC328I NO CARTRIDGE AT POSITION *pppppppp*

Module(s): H015
Explanation:
System action:
Operator action:

HAC329I POSITION *pppppppp* NOT EMPTY

Module(s): ZHC0153B
Explanation:
System action:
Operator action:

HAC330I MOVE FROM *parm1* TO *parm2* EXECUTED

Module(s): ZHC00700
Explanation:
System action:
Operator action:

HAC331I *coord* NOT ALLOWED AS COORDINATE

Module(s): ZHC0153B
Explanation:
System action:
Operator action:

HAC332A VOLSER *volser* FOR JOB *jobname* NOT IN HACC ARCHIVE ON *abba-unit*

Module(s): ZHC01900
Explanation: This message can be used to subsequently define a relevant foreign mount entry providing the specified *volser* can be considered as an external cartridge. The mount was requested for the *abba-unit*.
System action: The pending mount is then performed from the specified external mount slot when an entry is made using the **FMA**/**FMM** command otherwise there is no Archive mirror record for this cartridge.
Operator action: Use the HAA to create a relevant Archive mirror record when the cartridge belongs to the AML library.

HAC333I AUTO REPEAT FOR SQNR *sqnr*

Module(s): ZHC10100
Explanation:
System action:
Operator action:

HAC335A SYS *s*,ROB *r*: CLEANING IS STOPPED (ENTER SCL)

Module(s): ZHC0150B
Explanation:
System action:
Operator action:

HAC336A UNIT EXCEPTION ON UNIT *cuu* ,MODULE=*module*

Module(s): ZHC06500
Explanation: The channel program issued a UNIT EXCEPTION error during EXCP communication. This situation points to an error in the local control unit in connection with the 3278 emulation board in the archive computer.
System action: Sense bytes, CSW, etc. are also shown.
Operator action: None

HAC337I UNIT EXCEPTION RETRY SUCCESSFULLY ON UNIT *cuu* ,
NO. OF RETRIES=*nnn*

Module(s): ZHC06500
Explanation: The error under HAC336A was successfully corrected.
System action: None
Operator action: None

HAC338I SQNR *sqnr* FOR VOLSER *volser* TO BE EJECTED IS PURGED

Module(s): ZHC01512
Explanation:
System action:
Operator action:

HAC339I TOTAL NO. OF EJ-VOLSERS PURGED BY DELQ *xxxx*

Module(s): ZHC01512
Explanation:
System action:
Operator action:

HAC340I NO FREE SLOT IN DYNAMIC AREA FOR VOLSER: *volser*

Module(s): ZHC00700
Explanation: Information message during the execution of a **VI** command: During the SEARCH, the robot identified a cartridge defined in the HCC Archive mirror as "VIRTUAL" in an insert slot. There are two possibilities:
- No dynamic area was defined (HACPARM1,LDEV).
- The dynamic area is full.

System action: The specified cartridge remains in the slot.
Operator action: Check and, if required, modify the problems stated in the explanation.

HAC341I VOLSER *volser* IN USE, MOUNT DELAYED

Module(s): ZHC01900
Explanation: A further mount request is already pending for *volser* although the last request has not been completed by the AML system.
System action: HCC performs the detained request automatically as soon as the *volser* is returned to the AML archive (slot).
Operator action: None

HAC342I SYSTEM *HACC*n* NOT READY, SEND REQUEST IGNORED

Module(s): ZHC04400
Explanation: Information message during execution of a **CY** command.
System action: None
Operator action: None

HAC343I EXIT *modulname* MUST NOT CHANGE KEY
ENTRY OF VOLSER *volser*

Module(s): ZHC05900
Explanation: In a User **VI**/**EJ** exit, fields within the reserved area were modified: bytes 1-20.
System action: The changes performed by the exit are automatically reset.
Operator action: Correct the specified user exit *modulename*.

HAC344I VOLSER *volser* IN USE, EJECT DELAYED

Module(s): ZHC0152F - ZHC01530
Explanation: A further eject request is already pending for *volser* although the last request has not been completed by the AML system.
System action: HCC performs the detained request automatically as soon as the *volser* is returned to the AML archive (slot).
Operator action: None

HAC345I VOLSER *volser* IN USE, MOVE REJECTED

Module(s): ZHC0153B - ZHC0155C
Explanation: A further move request is already pending for *volser* although the last request has not been completed by the AML system.
System action: Self-explanatory
Operator action: None

HAC346I REPEAT SETMAJOR AFTER SUCCESSFUL GETMAJOR COMMAND

Module(s): ZHC04100
Explanation: A **CX SETMAJOR** command was issued before execution of the **CX GETMAJOR** command required beforehand.
System action: None
Operator action: Enter the **CX GETMAJOR** command before switching over the HOST complex.

HAC347A H*x* IS WRONG MAJOR, DEFINED IN ROUTER IS H*y*

Module(s): ZHC04200
Explanation: There is a discrepancy between the router table of the Token Ring (H*y*) and HACC0 (H*x*).
System action:
Operator action:
1. Token Ring is wrong: Issue **CX SETMAJOR,FORCE** on complex H*x*
2. HACC0-Id is wrong: Execute the commands **CXGETMAJO**R and then **CX SETMAJOR** on complex H*y*

HAC348A NO MAJOR COMPLEX IN TOKEN RING ROUTER DEFINED

Module(s): ZHC04200
Explanation: No MAJOR complex is defined in the router table of the Token Ring.
System action:
Operator action: Execute **CX SETMAJOR,FORCE** on the desired HOST complex.

HAC349I HACCID H*x* IS MAJOR COMPLEX

Module(s): ZHC04100 - ZHC04200
Explanation: Information message.
System action:
Operator action:

HAC350I H*x* IS NOW MINOR OF COMPLEX

Module(s): ZHC04100
Explanation: Information message after the **CX SETMINOR** command.
System action:
Operator action:

HAC351I H*x* IS NOW MAJOR OF COMPLEX

Module(s): ZHC04100 - ZHC04200
Explanation: Information message after the **CX SETMAJOR** command.
System action:
Operator action:

HAC352A SHUTDOWN OF TOKEN COMPLETE

Module(s): ZHC04200
Explanation: Information message after the **CX SHUTDOWN** command. The Token Ring can only be reactivated manually.
System action:
Operator action:

HAC353I COMLINE *cuu* OK: HACC=primary,TOKEN=primary

Module(s): ZHC04200
Explanation: Information message after the **CX GETLINE** command. The MVS address *cuu* is the primary path to Token Ring.
System action:
Operator action:

HAC354I TOKEN ECHO SUCCESSFUL

Module(s): ZHC04200
Explanation: Information message after **CX ECHO**.
System action: The Token Ring operates normally.
Operator action:

HAC355A COMLINE *cuu* MISMATCH: HACC=*xxxxxxx*,TOKEN=*xxxxxxx*

Module(s): ZHC04200
Explanation: A discrepancy for the use of path *cuu* exists between HACC0 and TOKEN Router.
System action:
Operator action:
1. When *xxxxxxx*=STANDBY then execute command COM SWITCH.
2. When *xxxxxxx*=PRIMARY then execute command CX SWLINE.

HAC356I COMLINE *cuu* SWITCHED: HACC=*xxxxxxx*,TOKEN=*xxxxxxx*

Module(s): ZHC04200
Explanation: Information message after the **CX SWLINE** command.
System action:
Operator action:

HAC357A COMPLEX H*x* DOES NOT ANSWER SINCE *nnnnnn* MIN.

Module(s): ZHC10100
Explanation:
System action:
Operator action:

HAC358A LOGIC ERROR IN MODULE *module*

Module(s): ZHC02400
Explanation:
System action:
Operator action:

HAC359A VOLSER *volser* IS PUT INTO WASTE BOX, STATUS=EJECT

Module(s): ZHC01100
Explanation: A problem occurred during a request for the cartridge with the *volser* specified in the message.
System action: *volser* is put into the waste box and identified as ejected (status=ME).
Operator action: Check cartridge and, if required, re-insert cartridge with the **VI** command.

HAC360I KEY P HOMECOOR TEMPCOOR VOLSER ST DEV ROB SYS TYPE COMMENT

Module(s): ZHC01569
Explanation:
System action:
Operator action:

HAC361I NUMBER OF DISPLAYED COORDINATES: *nnnn*

Module(s): ZHC01569
Explanation:
System action:
Operator action:

HAC362I JOB PRIORITY TABLE IS FULL. REQUEST IGNORED

Module(s): ZHC01566
Explanation:
System action:
Operator action:

HAC363I JOB *jobname* NOT FOUND IN PRIORITY TABLE

Module(s): ZHC01566
Explanation:
System action:
Operator action:

HAC364I NO JOBS DEFINED IN PRIORITY TABLE

Module(s): ZHC01566
Explanation:
System action:
Operator action:

HAC365I FILE IS EMPTY, DSN=*dsname*

Module(s): ZHC31600
Explanation:
System action:
Operator action:

HAC366A GROUP *xxxxxx* REQUESTED AT FPMADEF
BUT NOT DEFINED IN VOLGR

Module(s): ZHC02400
Explanation:
System action:
Operator action:

HAC367A FPMADEF OVERLAP AT COORD=*xxxxxxxx*
SEE HACPARM1 FPMADEF

Module(s): ZHC02400
Explanation:
System action:
Operator action:

HAC368A SYSTEM NOT DEFINED AT FPMADEF=*xxxxxx*,
SEE HACPARM1 FPMADEF/SYSDEF

Module(s): ZHC02400
Explanation:
System action:
Operator action:

HAC369I *xxxxxxxx* ARCHIVE NOT ACTIVE

Module(s): ZHC0153D - ZHC01551
Explanation:
System action:
Operator action:

HAC370I SUBTASK *xxxxxxxx* OPEN DESTINATION NOT SUCCESSFULL

Module(s): ZHC06500
Explanation:
System action:
Operator action:

HAC372I SUBTASK *xxxxxxxx* GENCB FOR *xxx* FAILED

Module(s): ZHC06500
Explanation:
System action:
Operator action:

HAC373I SUBTASK *xxxxxxxx* TESTCB FOR *xxx* FAILED

Module(s): ZHC06500
Explanation:
System action:
Operator action:

HAC374I SUBTASK *xxxxxxxx* SHOWCB FOR *xxx* FAILED

Module(s): ZHC06500
Explanation:
System action:
Operator action:

HAC375I SUBTASK *xxxxxxxx* ACB=*xxxxxxxx* OPEN SUCCSESSFULL

Module(s): ZHC06500
Explanation:
System action:
Operator action:

HAC376I SUBTASK *xxxxxxxx* ACB=*xxxxxxxx* ALREADY OPEN

Module(s): ZHC06500
Explanation:
System action:
Operator action:

HAC377I SUBTASK *xxxxxxxx* ACB=*xxxxxxxx* IS NOT ACTIVE

Module(s): ZHC06500
Explanation:
System action:
Operator action:

HAC378I SUBTASK *xxxxxxxx* ACB=*xxxxxxxx* VTAM IS NOT ACTIVE

Module(s): ZHC06500
Explanation:
System action:
Operator action:

HAC379I SUBTASK *xxxxxxxx* ACB=xxxxxxxx OPEN ERROR *rr*

Module(s): ZHC06500
Explanation:
System action:
Operator action:

HAC380A SSCTSUS2 DOES NOT POINT TO HACAVT
SSCTSUS2 POINTER ZEIGT NICHT AUF HACAVT

Module(s): ZHC0156C
Explanation:
System action:
Operator action:

HAC381I SYS *s*,ROB *r*: FPMA UNLOAD INACTIVE

Module(s): ZHC04600
Explanation:
System action:
Operator action:

HAC382I SYS *s*,ROB *r*: FPMA UNLOAD ALREADY ACTIVE

Module(s): ZHC04600
Explanation:
System action:
Operator action:

HAC383I INSERT COMPLETED ON DEVICE=I*xx*, NO.OF INSERTS=*nnnnn*

Module(s): ZHC06900
Explanation: The insert for insert area I*xx* is complete, *nnnnn* cartridges were inserted.
System action: None
Operator action: None

HAC384I INVALID FUNCTION REQUESTED IN EXIT *module*

Module(s): ZHC01900
Explanation: The installed user exit *module* was modified and called with an invalid function by mistake.
System action: The request which was modified with *module* was not executed.
Operator action: Change the installed user exit *module* and then perform the function again.

HAC385I MOUNT FOR JOB *jobname*,
VOLSER *volser* DENIED BY USER MOUNT EXIT

Module(s): ZHC01900
Explanation: The mount request for *volser* was not executed owing to changes in the installed mount user exit.
System action: None
Operator action: Check whether this is intended or whether the installed mount user exit must be adapted or changed.

HAC386I SUCCESSIVE MOUNTS FOR SAME VOLSER=*volser*, JOBNAME=*jobname*,SYSTEM=*xxxx*

Module(s): ZHC06900
Explanation: Within the MVS system *xxxx*, several mount requests occurred for the JOB with *jobname* for the same *volser* on different drives although *volser* is already in use on a drive.
System action: None
Operator action: None

HAC387I WARNING - VOLSER *volser* HAS NO HOME-COORDINATE

Module(s): ZHC06900
Explanation: This message indicates that no home coordinate is defined for this VOLSER.
System action:
Operator action:

HAC388A DYNAMIC ALLOCATION ERROR,CODE=*rrrr*, DD=*ddname*, DSN=*dsname*

Module(s): ZHC07000
Explanation: Severe installation error. Determine the DYNALLOC error code (Requesting SVC 99 Functions) in the MVS system literature.

ddname	HAC23071 (subtasks for Exchange log)
dsname	File name from HACPARM1 for PDSNEXC1-PDSNEXC7

System action: HAC011A FUNCTION ERROR IN SUBTASK HAC2307x HAC0132A *** ABNORMAL END OF HACC
Operator action: If required, correct HACPARM1 or create file.
Note: When DSN= blank, the HACPARM1 entry for the relevant Exchange log is missing.

HAC389I VOLSER=*volser* NOT MOUNTED FOR HACC, UPDATE DENIED

Module(s): ZHC01542 - ZHC01543 - ZHC06900
Explanation:
System action:
Operator action:

HAC390I SEND CONVERSATION TO *xx/yyy* ESTABLISHED

Module(s): ZHC05400
Explanation: This message is displayed when the send conversation to partner *xx* was successfully established (for example, partner *xx* has confirmed). *yyy* can mean:

PRI - primary connection
ALT - alternative connection

System action: None
Operator action: None

HAC391I INSERT DEVICE I*xx* SYSTEM *s* DOOR OPEN

Module(s): ZHC0150B - ZHC01100 - ZHC06900
Explanation: Self-explanatory
System action: No inserts can be performed from I*xx* at present.
Operator action: The insert is automatically continued after the door has been closed.

HAC392I INSERT DEVICE I*xx* SYSTEM *s* UNDEFINED

Module(s): ZHC01531
Explanation: The specified insert device I*xx* is not specified in HACPARM1.
System action: The insert request for I*xx* could not be performed.
Operator action: Check the insert statement and, if required, include device I*xx* in the HACPARM1 statement.

HAC393I INSERT DEVICE I*xx* SYSTEM *s* RELEASE ACCEPTED

Module(s): ZHC01531
Explanation: Self-explanatory
System action: The insert process is continued.
Operator action: None

HAC394I INSERT DEVICE I*xx* SYSTEM *s* ALREADY ACTIVE

Module(s): ZHC01531
Explanation: An insert request was initiated for device I*xx* although it was already processed.
System action: The relevant **VI** command is ignored.
Operator action: Check whether several **VI** commands were initiated for an insert device.

HAC395I INSERT DEVICE I*xx* SYSTEM *s* ALREADY HELD BY COMMAND

Module(s): ZHC0150B - ZHC01531
Explanation: Self-explanatory
System action: The insert process for device I*xx* was already suspended with command **VI** [Ixx,s,]**HOLD**.
Operator action: Continue the insert process with command:
VI [I*xx*,*s*,]**RELEASE**.

HAC396I INSERT DEVICE I*xx* SYSTEM *s* ALREADY HELD

Module(s): ZHC01531
Module(s): H015049
Explanation: Self-explanatory
System action: The insert process for device I*xx* was already suspended.
Operator action: Continue insert process with command:
VI [I*xx*,*s*,]**RELEASE**.

HAC397I INSERT DEVICE I*xx* SYSTEM *s* NOT ACTIVE

Module(s): ZHC01531
Explanation:
System action:
Operator action:

HAC398I INSERT DEVICE I*xx* SYSTEM *s* NOT HELD

Module(s): ZHC01531
Explanation:
System action:
Operator action:

HAC399I INSERT DEVICE I*xx* SYSTEM *s* ACTIVE

Module(s): ZHC0150B - ZHC01531
Explanation:
System action:
Operator action:

HAC400I There is no output buffer available for User: *user*

Module(s): ZHC04800
Explanation:
System action:
Operator action:

HAC401I Invalid continuation in Statement:

Module(s): ZHC01300
Explanation:
System action:
Operator action:

HAC402I Statement: *statement*

Module(s): ZHC01300
Explanation:
System action:
Operator action:

HAC403I Continuation must start in Col.16

Module(s): ZHC01300
Explanation:
System action:
Operator action:

HAC404I Statement is too long

Module(s): ZHC01300
Explanation:
System action:
Operator action:

HAC405I *display text*

Module(s): ZHC06908 - ZHC04500 - ZHC10100
Explanation: Data line for DISPLAYs.
System action: None
Operator action: None

HAC406I Receiver is not defined in HACPARM1 CMD: *command*

Module(s): ZHC05400
Explanation: This message indicates that a message was addressed to a partner not defined using HACPARM*x*.
System action:
Operator action:

HAC407I There is no SEND conversation for H*x* and CMD: *command*

Module(s): ZHC00300 - ZHC06500
Explanation: There is no active conversation with a known receiver.
System action:
Operator action:

HAC408I Attach of SEND Subtask for *xx* failed

Module(s): ZHC05400
Explanation:
System action:
Operator action:

HAC409I Open of ACB *xxxxxxxx* failed. RC is *rrrr*

Module(s): ZHC05400
Explanation: The ACB representing the local HCC under VTAM could not be opened.
System action:
Operator action: Check the RC return code

HAC410I *subtaskn* terminated due to errors

Module(s): ZHC05400
Explanation: The subtask *subtaskn* was terminated due to internal errors.
System action: Messages explaining the error in detail should follow this message.
Operator action:

HAC411I Applid *xxxxxxxx* is not defined in HACPARM1

Module(s): ZHC05400
Explanation: The LU *xxxxxxxx* sent a communication request to the local HCC. However, this LU was not identified to the local HCC using a HACNET statement.
System action:
Operator action:

HAC412I Send subtask for *xx* is terminated

Module(s): ZHC05400
Explanation:
System action:
Operator action:

HAC413I Receive subtask for *xx* is terminated

Module(s): ZHC05400
Explanation:
System action:
Operator action:

HAC414I Deallocate send conversation for *xx*

Module(s): ZHC05400
Explanation:
System action:
Operator action:

HAC415I Start of *xxxx* subtask for *xx* comleted

Module(s): ZHC05500 - ZHC05600
Explanation:
System action:
Operator action:

HAC416I Application *xxxxxxxx* is not active

Module(s): ZHC05500
Explanation: The communication component of a remote HCC to which the local HCC tries to connect is not active.
System action:
Operator action:

HAC417I About to terminate 'Send/receive Subtask for h*x*'

Module(s): ZHC05500 - ZHC05600
Explanation:
System action:
Operator action:

HAC418I There is already a conversation-id

Module(s): ZHC05500
Explanation: Attempt made to establish a conversation with a HCC which already has an active conversation.
System action:
Operator action:

HAC419I The APPC/*HACCn* subtask *xxxxxxxx* is started/terminated

Module(s): ZHC0156E - ZHC00300
Explanation: Attempt made to start the APPC subtask although one was already active or to terminate the APPC although it is not active.
System action:
Operator action:

HAC420I The *xxxxx* parameter of VARY is not valid for the local HACC

Module(s): ZHC05400
Explanation: Displays the illegal function.
System action:
Operator action:

HAC421I APPC Error: *for Hx*

Module(s): ZHC05400 - ZHC05500 - ZHC05600
Explanation: An APPC error occurred.
System action: The HAC443 message displays further information.
Operator action:

HAC422I Last session on
LOGMODE *xxxxxxxx* with LU *xxxxxxxx* terminated

Module(s): ZHC05400
Explanation:
System action:
Operator action:

HAC423I The APPC Subtask is terminating immediately

Module(s): ZHC05400
Explanation: The APPC subtask is immediately terminated.
System action:
Operator action:

HAC424I Sendtab overflow for *xx*

Module(s): ZHC05400
Explanation: Send table overflow for H*x*.
System action:
Operator action:

HAC425I The SEND/RECV conversations
for *xx* are terminating immediately

Module(s): ZHC05400
Explanation: The SEND/RECV conversations are immediately terminated.
System action:
Operator action:

HAC426I HID=*XXXXXXXXXXXXXXXXXXXX*

Module(s): ZHC04200
Explanation: Error in MAJOR HACC definition.
System action:
Operator action:

HAC427I Caution: *text*

Module(s): ZHC04200
Explanation:
System action:
Operator action:

HAC428I Caution: There is no HACC defined to be MAJOR

Module(s): ZHC04100
Explanation:
System action:
Operator action:

HAC429I Caution: The MAJOR Hacc is terminating

Module(s): ZHC04200
Explanation:
System action:
Operator action:

HAC430I There is no communication path active for *xx*. Please check it

Module(s): ZHC00300
Explanation: The connection to a communication partner is not active.
System action:
Operator action: Restore communication with operator commands.

HAC431I ******** End of function ********

Module(s): ZHC00700 - ZHC04800 - ZHC06900
Explanation: Self-explanatory
System action: None
Operator action: None

HAC432I No storage available for CSA Buffers

Module(s): ZHC00100
Explanation: There is no storage available in the CSA to allocate the ABS output buffers.
System action:
Operator action:

HAC433I The **HACCn** task for *Sx* has been started/terminated

Module(s): ZHC07000
Explanation: The task *HACCn* has been started or terminated for secondary system Sx.
System action:
Operator action:

HAC434I D STOR specification error

Module(s): ZHC04500
Explanation:
System action:
Operator action:

HAC435A MOVE to WASTEBOX completed successfully

Module(s): ZHC00700 - ZHC01100
Explanation: It was not possible to position a cartridge in its assigned slot.
System action: HCC moves the cartridge to the waste box and sets the status to ejected with status=ME.
Operator action: Check cartridge and, if required, re-insert cartridge with a **VI** command. If this is not possible, teach the relevant slot (tower) again, if required.

HAC436I SYS *s*: Minor Timeout since *nnnnn* min.

Module(s): ZHC10100
Explanation: Self-explanatory
System action: HAC036I TIME OUT
HAC333I AUTOREPEAT (evtl.)
Operator action: Check connection between HCC and AR/AMU, it is possible that the connection between MAJOR-HCC and AR/AMU is suspended.

HAC437I SYS *s*:Released

Module(s): ZHC01554
Explanation: Self-explanatory
System action: HCC continues processing.
Operator action: None

HAC438I SYS *s*,ROB *r* Released

Module(s): ZHC01554
Explanation: Self-explanatory
System action: HCC continues processing.
Operator action: None

HAC439I SOL for A*x* must not be executed from a minor HACC

Module(s): ZHC04100
Explanation: The **CX SOL**,[A*x*,H*x*] command must not be executed from a MINOR.
System action:
Operator action:

HAC440I WTOEXIT function enabled by SET SSI,ENA command

Module(s): ZHC0150C
Explanation:
System action:
Operator action:

HAC441I WTOEXIT function disabled by SET SSI,DISA command

Module(s): ZHC01566
Explanation:
System action:
Operator action:

HAC442I You can specify ENA or DISA for the SET SSI command

Module(s): ZHC01566
Explanation: Self-explanatory
System action: None
Operator action: If required, repeat command with the correct parameters.

HAC443I APPC error: *for Hx, Function ffffff*

Module(s): ZHC06900
Explanation: *Text* for LU6.2(APPC) error. Refer to the VTAM Programming for LU 6.2 Appendix A for an exact description.
System action: None
Operator action: None

HAC444I No VTAM connection for session with partner-lu *luname*

Module(s): ZHC05500
Explanation: HCC made an attempt to establish a connection with partner *luname*. This was not successful because there was possibly no connection to partner VTAM.
System action: HCC automatically repeats the activation command.
Operator action: None

HAC445I Conversation request received from *xx*; Partner_Lu_Name is *luname*..

Module(s): ZHC05400
Module(s): HAC23054
Explanation: The local HCC received an ALLOCATE request from a correctly defined partner.
System action: HAC411I is output when the partner is not defined. HAC446I is output in the system that sent the request.
Operator action:

HAC446I Conversation abended, reason: *xxxxxxxxxxxxxxxxxx*.....

Module(s): ZHC05500
Explanation: The local HCC sent an ALLOCATE request to a partner where it is not defined in a HACNET statement.
System action:
Operator action:

HAC447I *display text*

Module(s): ZHC06908
Explanation: Header for 'Display Robot Activities'. HOUR shows the hours 0-23. ACT. shows the number of activities of the robot at hour *x* and TIME the active robot time in minutes and seconds.
System action: None
Operator action: None

HAC448I TPEND Exit entered for *xxxxxx*.....

Module(s): ZHC05400
Explanation: This message indicates the reason why TPEND Exit was activated.
System action:
Operator action:

HAC449I SETLOGON failed. RTNCD= *xxxx*, FDBK2= *xxxx*

Module(s): ZHC05400
Explanation: This message appears when a SETLOGon macro terminates with errors. It displays RTNCODE and FDBK2 from the RPL. These return codes can be found in VTAM PROGRAMMING Appendix B. Return code(RTNCD-FDB2) combinations.
System action:
Operator action:

HAC450I `*---------------- descript Display -----------------*`

Module(s): ZHC04501 - ZHC04502 - ZHC04503 - ZHC04504 - ZHC04505 ZHC04506 - ZHC04508 - ZHC04509 - ZHC0450A - ZHC0450B ZHC0450C - ZHC0450D - ZHC06908

Explanation: This message identifies the begin of a display command. Messages HAC405I and HAC451I follow.

In the message text:

descript:	ACTIVITY	- D ACTIVITY
	CSA	- D CSA
	FUNCTION	- D FUNCTION
	JUKEBOX	- D JB
	LABEL	- D LABEL
	LOCATION	- D LOC
	MESSAGE	- D MSG
	SESSION	- D SESSION
	SOL	- D STAT
	STORAGE	- D STOR
	STORGRP	- D STORGRP
	TRACE	- D TRACE
	USER	- D USER

System action: None

Operator action: None

HAC451I `*----------------- End of Display ------------------*`

Module(s): ZHC04501 - ZHC04502 - ZHC04503 - ZHC04504 - ZHC04505 ZHC04506 - ZHC04508 - ZHC04509 - ZHC0450A - ZHC0450B ZHC0450C - ZHC0450D - ZHC06908

Explanation: Terminates a display command. This message follows messages HAC450I and HAC405I.

System action: None

Operator action: None

HAC452I `Hid Mid First-Contact Last-Contact Message Header`

Module(s): ZHC04500

Explanation:

System action:

Operator action:

HAC453I State of *xxxxxxxx* : ....

Module(s): ZHC04500
Explanation:
System action:
Operator action:

HAC454I Hid Mid Typ Status

Module(s): ZHC04500
Explanation: This message is the header of the **D SESSION** command. A new feature is that a STATUS is now indicated instead of the SENDMODE.
- STATUS contains PRI or ALT for the path type and USED when this path
- is currently (to be) used or blank when it is not used. Whether the path is
- active is indicated by the SENDCNV/RECVCNV/SENDSESS/RECVSESS
- fields.
System action:
Operator action:

HAC455I Display from *xxxxxxxx* to *xxxxxxxx*

Module(s): ZHC04500
Explanation:
System action:
Operator action:

HAC456I Function Type Userid Origin Status Priority

Module(s): ZHC04500
Explanation:
System action:
Operator action:

HAC457I Module Num Lvl Reg Offs Reg Offs Reg Offs Reg Offs

Module(s): ZHC01500 - ZHC04500
Explanation:
System action:
Operator action:

HAC458I `User Startaddr Text`

Module(s): ZHC04500
Explanation:
System action:
Operator action:

HAC459I `Tracepoint table overflow`

Module(s): ZHC01570
Explanation:
System action:
Operator action:

HAC460I `Difference between highest and lowest location is ...`

Module(s): ZHC04500
Explanation: This message indicates the greatest possible distance in this AML system.
System action: None
Operator action: None

HAC461I `ABBA-Unit Startcoor Endcoor Location`

Module(s): ZHC04500
Explanation: This message is the header for the following table. It contains the ABBA-UNIT number as well as the lowest and highest coordinate of this unit as well as the assigned value from the UNIT/LDEV information in the HACPARM1 definition.
System action: None
Operator action: None

HAC462I `Roboter` *`r`* `from System` *`s`* `is at location ...`

Module(s): ZHC04500
Explanation: This message displays the current status of robot *r* of SYS *s*.
System action: None
Operator action: None

HAC463I No storage for SMF record

Module(s): ZHC06950 - ZHC05900
Explanation: No free GETMAIN area
System action: No SMF evaluation records are written.
Operator action: If required, increase the virtual storage area for SMF records.

HAC464I SMF (SMFWTM) record was not written because of RC: *rr*

Module(s): ZHC06950 - ZHC05900
Explanation: Error from SMFWTM macro. Return code *rr* (decimal).
System action: No SMF evaluation records are written.
Operator action: Check return code rr specified in the message.

HAC465I There is no *xxxx* conversation active for *xxxxxxxxxxxx*

Module(s): ZHC01572
Explanation: This message is displayed for the **SWITCH COM** command when no conversation exists for a path.
System action:
Operator action:

HAC466I There is no HACNET Statement for *xxxxxxxxxxxxxx*

Module(s): ZHC01572
Explanation: This message is displayed for the **SWITCH COM** command when a path was not defined. (No HACNET statement)
System action:
Operator action:

AC467I Communication switched from *xxxxxxxx* to *xxxxxxxxx* AMU

Module(s): ZHC01572
Explanation: This message is displayed for the **SWITCH COM** command when the communication was switched from one path to the other.
System action:
Operator action:

HAC468I The SWITCH COM command is not allowed for *xx*. Only for A*x*.

Module(s): ZHC01572
Explanation: This message is displayed for the **SWITCH COM** command when the receiver is not an AMU.
System action:
Operator action:

HAC469I ABBA communication SYS *s*:
[*luname*,*cuu*] (*in*)active [*primary*,*alternate*] (*un*)used

Module(s): ZHC0155D
Explanation: Output message for the **COM D** command: The text has the following structure, either:

luname or *cuu*	
active or *inactive*	depending whether the subtask was started or not.
primary or *alternate*	depending on the defined path.
used or *unused*	depending on which path is in use at present.

System action:
Operator action:

HAC470I Trace entered for *xxxxxxxx* at *yyyyyyyy*

Module(s): ZHC06907
Explanation:
System action:
Operator action:

HAC471I Register contents:

Module(s): H069007
Explanation:
System action:
Operator action:

HAC472I Data at register R*x* Offset: *abc*

Module(s): ZHC06907
Explanation:
System action:
Operator action:

HAC473I The selected traces have been started

Module(s): ZHC01570
Explanation:
System action:
Operator action:

HAC474I The selected traces have been stopped

Module(s): ZHC01570
Explanation:
System action:
Operator action:

HAC475I Message *xxx* disabled

Module(s): ZHC01571
Explanation: This message is output after successful execution of a **SET MSG,OFF,NUM=*xxx*** command.
System action: The HCC message with number *xxx* is suppressed and is visible only in the HCC log with the prefix SUP.
Operator action: None

HAC476I Message *xxx* enabled

Module(s): ZHC01571
Explanation: This message is output after successful execution of a **SET MSG,ON,NUM=*xxx*** command.
System action: The HCC message with number *xxx* is no longer suppressed.
Operator action: None

HAC477I Message Status Text

Module(s): ZHC04500
Explanation: This message is the header for the **D MSG,NUM=** command.
System action: None
Operator action: None

HAC478A UCB FOR COM DEVICE *cuu* NOT FOUND

Module(s): ZHC04700
Explanation: MVS Standard UCB functions did not find the *ucb*. No UCB exists in the system for CUU=*cuu*.
System action: HCC cannot be started.
Operator action: Check and correct, if required, the UCB entries. Define valid CUU in HACPARM1 in COMDEFx= statement.

HAC479A COM DEVICE *cuu* NOT AVAILABLE

Module(s): ZHC0155D - ZHC02300 - ZHC06500 - ZHC10100
Explanation: MVS Standard UCB functions did not find the *ucb*. This message is displayed in connection with the messages HAC481A, HAC482A and HAC483A. The EXCP communication is not available.
System action: HCC terminates abnormally.
Operator action: Check and correct, if required, the UCB entries.

HAC480A IOCINFO FAILED, RC=*rrrr*, REASON=*rrrr*,MODULE=*module*

Module(s): ZHC01300 - ZHC02700 - ZHC04700
Explanation: MVS Standard UCB functions could not be executed. The service IOCINFO intended for services UCBLOOK or UCBSCAN, terminated in module *module* with return code RC=*rrrr* and reason code REASON=*rrrr*. Refer to the Service description for return code and reason code. Message HAC479A or HACC483A follows. The UCB addresses are not available.
System action: HCC *module* terminates abnormally.
Operator action: Check the UCB entries together with the specified error causes, and correct when necessary.

HAC481A UCBLOOK FAILED, RC=*rrrr*, REASON=*rrrr*, MODULE=*module*

Module(s): ZHC02700 - ZHC04700
Explanation: MVS Standard UCB functions could not be executed. The service UCBLOOK terminated in module *module* with return code RC=*rrrr* and reason code REASON=*rrrr*. Refer to the service description for return code and reason code. The follow-up message is HAC479A or HAC483A. The UCB addresses are not available.
System action: HCC *module* terminates abnormally.
Operator action: Check the UCB entries together with the specified error causes, and correct when necessary.

HAC482A UCBSCAN FAILED, RC=*rrrr*, REASON=*rrrr*, MODULE=*module*

Module(s): ZHC01300
Explanation: MVS Standard UCB functions could not be executed. The service UCBSCAN terminated in module *module* with return code RC=*rrrr* and reason code REASON=*rrrr*. Refer to the service description for return code and reason code. The follow-up message is HAC479A or HAC483A. The UCB addresses are not available.
System action: HCC *module* terminates abnormally.
Operator action: Check the UCB entries together with the specified error causes, and correct when necessary.

HAC483A MOUNT/KEEP RECOVERY FAILED, MODULE=*module*

Module(s): ZHC02300 - ZHC04100
Explanation: MVS Standard UCB functions could not be executed. This message is displayed in connection with the messages HAC481A and HAC482A.
System action: HCC was not able to recover present but pending mount/keep requests. The above mentioned errors prevent a MOUNT/KEEP recovery. HCC can now only be executed with errors.
Operator action: Check and correct, if required, the UCB entries.

HAC484I EJ/MOVE/VICC COMMANDS QUEUED, DISPLAY WITH DRQ ALL

Module(s): ZHC0150C
Explanation: Eject and insert requests or MOVE requests are available but these are not always displayed to maintain clarity.
System action: None
Operator action: All available requests can be displayed with command **DRQ** and parameter **ALL**.

HAC485I Terminating Comtask [lu=luname],SYS=s,PATH=[primary|alternate]

Module(s): ZHC06500
Explanation:
System action:
Operator action:

HAC486I It is not possible to disable message 431

Module(s): ZHC01571
Explanation: Self-explanatory, message number 431 is HCC-internal.
System action: The **SET MSG,OFF** command is not executed.
Operator action: None

HAC487I RPL ERROR -- APPC Maintask ended

Module(s): ZHC05400
Explanation:
System action:
Operator action:

HAC488I HACCCVT ENTRY ADDRESS ..: *addr* SSI-NAME.....: *ssi*

Module(s): ZHC04500
Explanation: *addr* specifies the address of the HACCVT and SSI name *ssi*.
System action:
Operator action:

HAC489I CSA-SIZE (BYTES HEX/DEC):*xxx/yyy* SUBPOOL-NUMBER: *pnr*

Module(s): ZHC04500
Explanation: Specifies the size in HEX *xxx* and DEC *yyy* as well as subpool number *pnr* of CSA.
System action:
Operator action:

HAC490I SSCVT ADDRESS ..: *cvtaddr*

Module(s): ZHC04500
Explanation: Displays the addresses of SSCVT *cvtaddr* and of subsystem function module *epaddr* (ZHC01200).
System action:
Operator action:

HAC491I HACC SYSTEM ....: [*primary*,*secondary*]
HACC ASCB-ADDRESS..: *addr*

Module(s): ZHC04500
Explanation: Displays the HACC-ASCB address in *addr* and whether it is a *primary* or *secondary* HACC.
System action: None
Operator action: None

HAC492I WSECB: *ecbstat* WSSYNC: *syncfld*

Module(s): ZHC04500
Explanation: Displays status *ecbstat* of the ECB which is posted by SFM and status *syncfld* of the SYNCfield which is used for synchronization of the POST.
System action: None
Operator action: None

HAC493I ERROR COMPCODE: *errcode*
PSW-ADDRESS: *pswaddr* OFFSET: *offset*

Module(s): ZHC04500
Explanation: Displays the ABEND code *errcode*, the PSW *pswaddr* at the time of the ABEND and the OFFSET *offset* in the aborted program.
System action: None
Operator action: None

HAC494I SFM WAITCOUNT: *cnt* TOTAL EVENTS: *evt* STATUS: *stat*

Module(s): ZHC04500
Explanation: Displays with *cnt* how often the SMF had to wait for the ECB, how many events *evt* took place and status *stat* of the SFM.
System action: None
Operator action: None

HAC495I BUFNO SYNC-FLD JOBNAME MESSAGE

Module(s): ZHC04500
Explanation: Header for the first part of the display:
Displays the ten latest buffers.
System action: None
Operator action: None

HAC496I RECOVERY AREA CONTENTS / LOCATION: ....

Module(s): ZHC04500
Explanation: Header for the second part of the display:
Displays the RCA pointer and the recovery area entries.
System action: None
Operator action: None

HAC497I UNIT HC-SQ M/K-SQ JOBNAME MESSAGE

Module(s): ZHC04500
Explanation: Column header for display of the recovery area unit number. Highest recovery sequence number, MOUNT/KEEP sequence number, jobname, MOUNT/KEEP messages.
System action: None
Operator action: None

HAC498I NO COORDINATES FOUND FOR SELECTION CRITERIA

Module(s): ZHC0153D - H069081
Explanation: No valid coordinates could be determined based on the selection criteria.
System action: None
Operator action: None

HAC499I $END

Module(s):
Explanation: Last message for display ZHC08100.
System action: None
Operator action: None

HAC500I JB-Name Dev-Num Capacity curr.used Sys Rob

Module(s): ZHC045B
Explanation: This message is displayed after operator command **DISPLAY JB**.

Text-descripton:

- JB-NAME	Name of jukebox
- Dev-Num	AML unit number of jukebox
- Capacity	Max. capacity of jukebox
- curr.user	Currently assigned slots
- Sys	AML system number
- Rob	AML robot number
- Status	Status of jukebox with the following values:
	+ OK or
	+ Inop, not in arch. or
	+ Inop, JB-Name. or
	+ Inop, JB-Cap. diff.

This message follows message 405I
System action: None
Operator action: None

HAC501I There is no jukebox defined

Module(s): ZHC01542 - ZHC0450B
Explanation: No jukebox has been defined for operator command execution. One of the following commands was entered:
- UPV volser,OJ,NAME=jbname
- DISPLAY JB

System action: Processing aborted.
Operator action: Check your input or the definitions in HACCPARM.

HAC502I The name *jbname* is not defined as a jukebox

Module(s): ZHC01542 - ZHC01545 - ZHC0450B - ZHC04904 - ZHC04905
Explanation: Specified jukebox name does not match the definition during operator command execution. One of the following commands was entered.
- DISPLAY JB,NAME=jbname
- LJB VOL=volser,NAME=jbname
- UJB VOL=volser,NAME=jbname
- UPV volser,OJ,NAME=jbname

System action: Processing aborted.
Operator action: Check your input or the definitions in HACCPARM.

HAC503I VOL-A VOL-B VOL-A VOL-B VOL-A VOL-B VOL-A VOL-B

Module(s): ZHC0450B
Explanation: This message follows after an operator command **DISPLAY JB** with the DETAILS options.
Text description:
- VOL-A Volser of A side of an optical disk
- VOL-B Volser of B side an optical disk

System action: None
Operator action: None

HAC504I Volser *volser* is not defined as OD

Module(s): ZHC04901 - ZHC04904 - ZHC06900
Explanation: Attempt made to process a medium as an optical disk but the medium is not identified as an optical disk:
1.) Mount request for a jukebox (OAD/IOS)
2.) Inventory (INV/INC)
3.) Upload (ULV/ULC)

System action: Processing aborted.
Operator action: Check the definitions for the respective medium (volser) in HCC with the **DV** command, and possibly on the AMU or the AR.

HAC505I Volser *volser* is in jukebox *jb-name*

Module(s): ZHC0152F - ZHC01557 - ZHC04901 - ZHC04902 - ZHC04904 ZHC04905
Explanation: Attempt made to process a volser still in the jukebox.
System action: Processing aborted/suspended.
Operator action: Initiate eject from the jukebox with the OAM command **LI EJECT,...**

HAC506I UNIT *unitname* is not defined as OAD

Module(s): ZHC04901 - ZHC04902 - ZHC04903
Explanation: Attempt to mount an optical disk on a unit not defined as an OAD.
System action: Processing aborted.
Operator action: Check the input or the definitions in HACCPARM.

HAC507I Eject Device *Exx*,not possible for medium

Module(s): ZHC0152F
Explanation: Medium type of the specified eject unit Exx does not match the volser medium type during processing of an eject command.
System action: Processing aborted.
Operator action: Specify the eject command with a valid eject unit.

HAC508I FLIP not possible, no medium on UNIT

Module(s): ZHC04903
Explanation: No medium found on the OAD during processing of a FLIP request.
System action: Processing aborted.
Operator action: Check the status of the unit.

HAC509I No Eject Device found for this medium

Module(s): ZHC0152F
Explanation: No suitable eject unit found for the medium of the specified volser during eject command execution.
System action: Processing aborted.
Operator action: Check the definitions in HACCPARM; an eject unit should be defined for each medium type.

HAC510I A-Side *volser* assumed for B-Side *volser*

Module(s): ZHC0152F
Explanation: HACC accepts data from the A side meant for the B side for EJECT command.
System action: None
Operator action: None

HAC511I UNIT *unitname* is not defined as IOS

Module(s): ZHC04904 - ZHC04905
Explanation: LJB/UJB command processing detected that the requested drive has not been defined as IOS.
System action: Processing aborted.
Operator action: Check the definitions in HACCPARM.

HAC512I Coordinate *xxxxxxxx* is not an A-Side coordinate

Module(s): ZHC06900
Explanation: A side of an optical disk found at an even coordinate. Processing at time of error.

1.) Inventory
2.) Upload from AMU

System action: HCC Archive mirror not updated, processing continues.
Operator action: Check the definitions for the respective coordinate in HCC with the **DC** command, and possibly on the AMU.

HAC513I Coordinate *xxxxxxxx* is not an B-Side coordinate

Module(s): ZHC06900
Explanation: B side of an optical disk found at an odd coordinate. Processing at time of error.

1.) Inventory
2.) Upload from AMU

System action: HCC Archive mirror not updated, processing continues.
Operator action: Check the definitions for the respective coordinate in HCC with the **DC** command and possibly on the AMU.

HAC514I JB Control-record for *jbname* not found.
Apply ==> GENERATE ARCHIVE <== in HAA

Module(s): ZHC05901
Explanation: This message is displayed at HCC start when initial loading of the HCC Archive mirror detects that a jukebox exists in the archive, but no unit statement can be found in HACCPARM.
System action: Processing continues. The respective jukebox is marked as inoperative.
Operator action: Check the definitions in HACCPARM and execute the GENERATE ARCHIVE function in HAA.

HAC515I JB-Name mismatch. JBTAB: *jb-name1* Archive: *jb-name2*.

Module(s): ZHC05901
Explanation: This message is displayed at HCC start when initial loading of the HCC Archive mirror detects different names exist for a jukebox device number in the Archive mirror and in HACCPARM.
Text description:
jb-name1: Name of jukebox in the unit statement in HACCPARM
jb-name2: Name of jukebox in the Archive mirror
System action: Processing continues. The respective jukebox is marked as inoperative.
Operator action: Check the definitions in HACCPARM and execute the GENERATE ARCHIVE function in HAA.

HAC516I JB Capacity mismatch for *jbname1*. JB-Cap: *pppp* Arch.Cap: *aaaa*

Module(s): ZHC05901
Explanation: This message is displayed at HCC start when initial loading of the HCC Archive mirror detects that different capacities exist for a jukebox in the archive and unit statements in HACCPARM.
Text- description:
jb-name1: Name of jukebox
pppp: Capacity of jukebox in the unit statement in HACCPARM
aaaa: Capacity of jukebox in the Archive mirror
System action: Processing continues. The respective jukebox is marked as inoperative.
Operator action: Check the definitions in HACCPARM and execute the GENERATE ARCHIVE function in HAA.

HAC517A volser *xxxxxx* is ejected. LJB susbended until VI completion.

Module(s): ZHC04904
Explanation: Respective optical disk is not in the robot archive during LJB command processing.
Text description:
xxxxxx: requested volser
System action: The **LJB** command is suspended.
Operator action: Insert the respective optical disk; processing is then automatically continued.

HAC518I Jukebox *jb-name1* is not in Archive or Name/Capacity changed

Module(s): ZHC01542 - ZHC01545 - ZHC 04904 - ZHC04905
Explanation: Inoperative jukebox status during request processing. The status was detected for one of the following requests:
- UPV operator command
- LJB operator command
- LJB system request
- UJB system request

Text description:
jb-name1: Name of jukebox
This message is preceded by a HAC514I, HAC515I or HAC516I message.
System action: Processing suspended.
Operator action: Proceed according to the preceding message.

HAC519I Command not allowed, OD in Jukebox

Module(s): ZHC01543 - ZHC0154E
Explanation: Required optical disk found in the jukebox during INV or UPC command processing.
System action: Processing aborted.
Operator action: If an inventory is imperative, use the **INC** command on the home coordinate of the optical disk when necessary.
The **UPV** command can be used instead of the **UPC** command for status corrections for ODs where the status has to be changed from ‘OJ’ to another status or vice versa.

HAC520I Volser *volser* has invalid status

Module(s): ZHC06900
Explanation: Volser status does not match the archive during Inventory/Upload command processing.
System action: Processing continues.
Operator action: Check the coordinate of the specified volser.

HAC521I Command not supported for Optical Disk

Module(s): ZHC0151D - ZHC0151E - ZHC0151F - ZHC01520 - ZHC01521 ZHC01522 - ZHC01523 - ZHC01524 - ZHC01525 - ZHC0153E - ZHC0153F ZHC01532 - ZHC01540
Explanation: Attempt made to execute an invalid operator command on an optical disk. One of the following operator commands was entered:
- ADD / DEL
- ALLOC / FREE
- CL
- LCK/ SLCK / PLCK
- SRT / PRT
- TLI / STLI / PTLI

System action: Processing aborted.
Operator action: Check your input and possibly the definitions in HACCPARM.

HAC522I Device not valid for medium.

Module(s): ZHC01557
Explanation: A manual mount request detected that the specified medium is not allowed for the specified input.
System action: Processing aborted.
Operator action: Check your input and possibly the definitions in HACCPARM.

HAC523I JUKEBOX MAXIMUM CAPACITY REACHED, AML *s*, NAME *jb-name1*

Module(s): ZHC01542 - ZHC04904
Explanation: Maximum capacity of the jukebox reached during **LJB** command or **UPV** command processing (refer to message HAC590I).
Text description:
s AML system
jb-name1: Name of jukebox
System action: Processing aborted or suspended.
Operator action: Check the jukebox with the **D JB** command.

HAC524I Volser sent: *ssssss*, Volser read: *rrrrrr*

Module(s): ZHC01100
Explanation: Additional message for AML response N506.
Text description:
ssssss: Volser sent by HCC (request)
rrrrrr: Volser received by AML (response)
System action: None
Operator action: Proceed as described in section "Recovery Procedures" in the Operator's Guide.

HAC525I LOG dsname message log SAVED ON GDG-dsname|SYSOUT=x

Module(s): HAC23060
Explanation: HCC Message log was successfully backed up in a GDB file or a SYSOUT class to be determined.
System action:
Operator action:

HAC526I Save of message log data set failed.

Module(s): HAC23060
Explanation: HCC Message log was not successfully backed up in the SYSOUT class to be determined or the GDG.
System action:
Operator action: Check SYSOUT class or GDG basis.

HAC527I *SG-Name Mask.*

Module(s): ZHC0450C
Explanation: Header for the output of command **DISPLAY STORGRP**.
Text description:
SG-Name: Name of storage group
Maske: All volsers/masks as initially defined in HACCPARM
This message is followed by message HAC405I.
System action: None
Operator action: None

HAC528I The name *sgname* is not defined as a Storage Group

Module(s): ZHC0450C
Explanation: DISPLAY STORGRP,NAME=stg-name command processing detected that the specified name is not defined in HACCPARM.
Text description:
sgname: Storage group name specified in the command.
System action: Processing aborted.
Operator action: Check the input and possibly the definitions in HACCPARM.

HAC529I There is no Storage Group defind

Module(s): ZHC0450C
Explanation: DISPLAY STORGRP command processing detected that no storage group(s) are defined in HACCPARM.
System action: Processing aborted.
Operator action: Check your definitions in HACCPARM.

HAC530I No Volser is matching for Storage Group *storgrp*

Module(s): ZHC0450C
Explanation: No volser found matching the storage group definitions during DISPLAY STORGRP command processing with the DETAIL option.
Text description:
storgrp: Storage group name specified in the command
System action: Processing was completed.
Operator action: Check the definitions in HACCPARM.

HAC531I There is no Label process active

Module(s): ZHC0450D
Explanation: DISPLAY LABEL command processing detected that no optical disk label process is active.
System action: Processing was completed.
Operator action: None

HAC532I *A-Vols B-Vols Storgrp. Homecoor. L-Type Drvname Status*

Module(s): ZHC0450D
Explanation: Header for DISPLAY LABEL output.
Text description:

A-Vols: A volser taking part in the process
B-Vols: B volser taking part in the process
Storgrp.: Storage group to which the A /and B volsers belong
Heimkoordinate: Slot location of A volser
Labeltyp: Media type (3995WORM/3995REWR/3995-133)
Drvname: Name of OAD on which the process runs
Status: Indicates the current status of the process which can be:

INITIAL	Process not active.
F OAM ISSUED	"F OAM,LABEL,3995...." Command issued.
F OAM ACCEPTED	MSG "CBR1000I OAM LABEL ... " received.
MOUNT REQ	MSG "CBR4400A MOUNT ..." received
MOUNT SENT	MOUNT request sent to AML system.
MOUNTED	MOUNT successfully executed by AML system.
FORMAT1 RCVD	MSG "CBR4438D ..." received.

REPLY:F	MSG "CBR4438D ..." answered with "F".
ENTER A-VOL	MSG "CBR4405D ..." received.
REPLY: A-VOL	MSG "CBR4405D ..." answered with the A VOLSER from the START LABEL command.
VERIFY A-VOL	MSG "CBR4424D ..." received.
REPLY:U	MSG "CBR4424D ..." answered with "U".
ENTER OWNER	MSG "CBR4406D ..." received.
REPLY: OWNER	MSG "CBR4406D ..." answered with "HACC xx ON mvsid".
ENTER SHELF	MSG "CBR4423D ..." received.

REPLY: SHELF	MSG "CBR4423D ..." answered with the home coordinate of the A volser as slot location.
FLIP REQ.	MSG "CBR4430A ... " received.
FLIP SENT	FLIP request sent to the AML system.
FLIPPED	FLIP request successfully executed by the AML system.
FORMAT2 RCVD	MSG "CBR4438D ..." received.
REPLY:F	MSG "CBR4438D ..." answered with "F".
ENTER B-VOL	MSG "CBR4439D ..." received.
REPLY: B-VOL	MSG "CBR4439D ..." answered with the B volser belonging to the A volser from the "START LABEL" command.
VERIFY B-VOL	MSG "CBR4424D ..." received.
REPLY:U	MSG "CBR4424D ..." answered with "U".
ENTER STORG	MSG "CBR4432D ..." received.
REPLY: STORG	MSG "CBR4432D ..." answered with the storage group belonging to the A volser from the LABEL" command.
LABEL COMPL	MSG "CBR2102I LABEL FUNCTION COMPLETE.." received.
DRIVE OFFL.	Command "V SMS,DRI(drvname), OFFLINE" issued.
DEMOUNT REQ.	MSG "CBR4402I DEMOUNT received
DRIVE ONL.	Command "V SMS,DRI(drvname), ONLINE" issued.
KEEP SENT	KEEP request sent to the AML system.

This message is followed by message HAC405I.
System action: None
Operator action: None

HAC533I START LABEL error: *errtext*

Module(s): ZHC01574
Explanation: An error has been detected during execution of operator command START LABEL:
Possible error texts:
- *FUNCTION ffffffff INVALID OR NOT SUPPORTED*
- *PARM pppppppp IS INVALID*
- *PARM pppppppp DUPLICATE SPECIFIED*
- *VOLSER vvvvvv IS TOO LONG*
- *THERE IS AN INVALID CHARACTER BEHIND THE PARMVALUE*
- *THERE IS NO VOLSER SPECIFIED*
- *INVALID VALUE FOR pppp*
- *VOL=PARAMETER IS REQUIRED FOR S LABEL COMMAND*
- *NO LABTAB ALLOCATED*
- *VOLSER vvvvvv IS EJECTED*
- *VOLSER vvvvvv IS NO OPTICAL DISK*
- *VOLSER vvvvvv DOES NOT BELONG TO ANY STORAGE GROUP*
- *VOLSER vvvvvv IS IN ANY JUKEBOX*
- *VOLSER vvvvvv IS ALREADY IN USE BY ANOTHER PROCESS*

System action: Processing aborted.
Operator action: Check the input and possibly the definitions in HACCPARM.

HAC534I START LABEL command accepted for *XXXXXX*

Module(s): ZHC01574
Explanation: Input of command START LABEL,VOL=... accepted.
System action: Label process started.
Operator action: None

HAC535I Label process for *XXXXXX* can not be cancelled in this state
Label Process für *XXXXXX* kann nicht abgebrochen werden

Module(s): ZHC01575
Explanation: An active label process cannot be aborted with command **CANCEL LABEL,VOL=volser** after the CBR4438D message has been replied to.
System action: Cancel command not executed; the Label process remains active.
Operator action: Cancel the Label process with Option I=Immediate, if necessary

HAC536I HAC536I Label process for *XXXXXX* will be cancelled by reply to CBR4438D.

Module(s): ZHC01575
Explanation: Command CANCEL LABEL,VOL=.. was entered for an active Label process before the first reply CBR4438D was answered.
System action: Label process remains active up to reply CBR4438D. This reply is answered with "C"; this causes a controlled end of the Label process. A Keep is generated afterwards.
Operator action: Wait for the acknowledgment of reply CBR4438D. The immediate termination of the Label process can be forced with the Cancel-option I = Immediate.

HAC537I Label process for *XXXXXX* has been cancelled

Module(s): ZHC01575
Explanation: Command CANCEL LABEL,VOL=xxxxxx or command CANCEL LABEL,VOL=xxxxxx,I successfully executed for a Label process.
System action: Label process cancelled.
Operator action: None

HAC538I CANCEL LABEL error: *errtext*

Module(s): ZHC01575
Explanation: An error was detected during execution of the operator command CANCEL LABEL.
Possible error texts:
- *FUNCTION ffffffff INVALID OR NOT SUPPORTED*
- *PARM pppppppp IS INVALID*
- *NO START LABEL ISSUED FOR VOLSER vvvvvv*
- *VOLSER vvvvvv IS TOO LONG*
- *THERE IS AN INVALID CHARACTER BEHIND THE PARMVALUE*
- *THERE IS NO VOLSER SPECIFIED*
- *VOL=PARAMETER IS REQUIRED FOR C LABEL COMMAND*
- *NO LABTAB ALLOCATED*

System action: Processing aborted.
Operator action: Check your input.

HAC539I `Warning: You did not specify / set to AUTOREPLY all messages you need for automatic label`

Module(s): ZHC01301
Explanation: 1.) Not all of the following message IDs were specified in a HACPARM1 MSG= statement:

MSG=CBR4438D,AUTOREPLY
MSG=CBR4405D,AUTOREPLY
MSG=CBR4424D,AUTOREPLY
MSG=CBR4406D,AUTOREPLY
MSG=CBR4423D,AUTOREPLY
MSG=CBR4439D,AUTOREPLY
MSG=CBR4432D,AUTOREPLY

2.) All the above statements exist, but an AUTOREPLY parameter has not been set for at least one of them.

System action: Automatic labeling of optical media cannot be supported.
Operator action: To support automatic labeling of optical media, the above messages must be added to the HACPARM1 member. Start HCC again for changes to be effective.

HAC540I `Warning: Exchange Log for *HACCn*  will not be activated`

Module(s): ZHC02300
Explanation: This message is sent for every 'PDSNEXCn=' statement with 'STATUS=INACT' at the start of a primary HCC.
System action:
Operator action: Possibly activate respective HACCPARM statement to 'STATUS=ACT' or with the 'VARY ACT' command.

HAC541I *`text1`* `Section`

Module(s): ZHC0450E
Explanation: This message marks a new section in the '**D COM**' display. *text1* can be one of the following:

- APPC
- DASD

System action:
Operator action:

HAC542I No *text1* connection found with the specified attributes

Module(s): ZHC0450E
Explanation: A parameter combination was specified for the '**D COM**' command for which no assignment was found.
Example: D COM,HID=H2,PATH=DASD
text1 can be one of the following:
- APPC
- DASD

System action:
Operator action:

HAC543I `Hid Mid Status LU-Name Type Convid Convst`

Module(s): ZHC0450E
Explanation: Header of APPC section of D COM display.

Columns:

Hid	Name of the partner / own name	
Mid	Name when the partner is MAJOR or 00	
Status	Shows the defined connection status	
	Lcl	this is the local HCC
	Rem	this is a partner HCC/AMU
	Pri	this is the primary path to partner
	Alt	this is the alternate path to partner
	Used	path for current use
	Unused	path NOT used as current path
LU-Name	Name of the partner LU or of the local LU for the LOCAL HCC.	
Type	Type and status of the TASK.	
	Lcl	the LOCAL HCC
	Send	a send task to the partner
	Recv	a receive task to the partner
	Act	task is active
	Inact	task is NOT active
Convid	ConversationId. When a Convid is displayed, there is/was an active CONVER to the partner. This statement is made through RPL6E.	
Convst	Status of the conversation which can be:	
	- Reset	Reset
	- Send	Active
	- Receive	Active
	- Receive_Confirm	Active
	- Rcv_Conf_Send	Active
	- Rcv_Conf_Deal	Being terminated
	- Pending_Dealloc	Being terminated
	- Pend_End_Cnv_Lo	Being terminated
	- End_Conv	Terminated
	- Pending_Send	Active
	- Pend_Rcv_Log	Error detected

Comment: The above data lines are shown twice per connection, the first line being the send direction and the second line the receive direction.

System action:
Operator action:

HAC544I Hid Status Dsname EPA TCB

Module(s): ZHC0450E
Explanation: Header of the DASD section of the D COM display.

Columns:	Hid	Name of the partner HCC
	Status	Status of this connection
		Act local task is active
		Inact local task is NOT active
		Rdy local task has contact to the partner through the Exchange log
		--- local task has NO contact through the Exchange log
	Dsname	File name of the Exchange log
	EPA	Local Task Entrypoint address
	TCB	Local Task TCB pointer

System action:
Operator action:

HAC567I ACTION FOR REQUEST CODE *Rxxx* NOT DEFINED

Module(s): ZHC00700
Explanation: No MSGAMU statement is specified in HACPARM1 for request code *Rxxx*.
System action: No automatic action is performed for request code Rxxx.
Operator action: Insert MSGAMU statement for the request code in HACPARM1.

HAC568I HACC BEFEHL FÜR REQUEST CODE *Rxxx* KANN NICHT IN COMMAND STACK GESTELLT WERDEN

Module(s): ZHC00700
Explanation: An automatic command defined with an MSGAMU statement for request code *Rxxx* cannot be placed into the command stack.
System action: No automatic action is performed for request code Rxxx.
Operator action: Manually enter the desired command.

HAC590I LOAD JUKEBOX SUSPENDED UNTIL UNLOAD COMPLETION, AML *s*, NAME *jb-name1*

Module(s): ZHC4904
Explanation: Maximum jukebox capacity reached during processing of a Load Jukebox command (refer to message 523I).
Text description:

s	AML system
jb-name1	Name of jukebox

System action: Processing suspended until a slot becomes free again after an Unload Jukebox process.
Operator action: No operator action is required if the Load Jukebox command was initiated with OAM because OAM automatically initiates the unloading of an optical disk. When the Load Jukebox command was manually initiated, it must be ensured through suitable interfaces that a slot in the jukebox is released.

HAC592I SWITCH ERROR: SECONDARY HACC Sx IS-NOT DEFINED OR NOT ACTIVE

Module(s): ZHC01572
Explanation: Specified secondary system (Sx) is not defined or not active.
System action: SWITCH not performed.
Operator action: Check name of the secondary system (Sx) or activate secondary system.

HAC593I SWITCH ERROR: SWITCH PRIMARY,ID=Sx MUST NOT BE ISSUED ON Sx

Module(s): ZHC01572
Explanation: SWITCH command for the secondary system S1 entered with 'FORCE' on the secondary system S2.
System action: SWITCH not performed.
Operator action: Enter **SWITCH** command without 'FORCE'.

HAC594I SWITCH ERROR: PRIMARY HACC IS NOT ACTIVE

Module(s): ZHC01572
Explanation: SWITCH command entered on the secondary system without 'FORCE'.
System action: SWITCH not performed.
Operator action: Enter **SWITCH** command with 'FORCE'.

HAC595I SWITCH ERROR: Sx IS NOT A VALID SECSYS NAME

Module(s): ZHC01572
Explanation: Name specified for the secondary system (Sx) is not valid.
System action: SWITCH not performed.
Operator action: Enter a correct name for the secondary system.

HAC596I SWITCH ERROR: PRIMARY HACC IS ACTIVE,FORCE NOT ALLOWED

Module(s): ZHC01572
Explanation: **SWITCH** command entered with 'FORCE' on the secondary system and the primary HCC is active.
System action: SWITCH not performed.
Operator action: Enter **SWITCH** command without 'FORCE'.

HAC597I SWITCH ERROR: PRIMARY HACC IS NOT ACTIVE,SPECIFY FORCE

Module(s): ZHC01572
Explanation: **SWITCH** command entered without 'FORCE' on the secondary system.
System action: SWITCH not performed.
Operator action: Enter **SWITCH** command with 'FORCE'.

HAC598I SWITCH ERROR: FORCE CANNOT BE SPECIFIED ON PRIMARY HACC

Module(s): ZHC01572
Explanation: **SWITCH** command entered with 'FORCE' on the secondary system.
System action: SWITCH not performed.
Operator action: Enter **SWITCH** command without 'FORCE'.

3.3 SSI INITIALIZATION OF CATALOG INSTALLATION EXIT

The following messages only refer to installations where the catalog installation exit ZHC026DU is used for MVC allocation modification. These messages can only be output in English at present.

HAC800I SUBSYSTEM INITIALIZATION IS COMPLETE

Module(s): ZHC20200
Explanation: HACCISSI has been executed.
System action: HACEDT initialized.
Operator action: None

HAC801A DYNAMIC ALLOCATION ERROR,CODE=*cccc*,DSN=*dsname*

Module(s): ZHC20200
Explanation: An error with return code *cccc* occurred during access to file *dsname*.
System action: Processing aborted.
Operator action: Correct the problem signalled with return code *cccc* and execute the request again, if required.

HAC802A MEMBER *member* NOT FOUND IN *dsname*

Module(s): ZHC20200
Explanation: Member could not be found in file *dsname*.
System action: Processing aborted.
Operator action: Check the specified file *dsname*, correct the specification *member*, if required, and execute the request again.

HAC803A NOT PROCESSABLE DCB-ATTRIBUTES WITH *dsname*

Module(s): ZHC20200
Explanation: Specified file *dsname* contains invalid DCB specifications
System action: Processing aborted.
Operator action: Check and, if required, correct the DCB specifications of the specified file *dsname* and execute the request again.

HAC804A TOO MANY RECORDS IN MEMBER *hacparmn*

Module(s): ZHC20200
Explanation: Member *hacparmn* contains too many definitions
System action: Processing aborted.
Operator action: Check the definitions in *hacparmn*, correct them, if required and execute the request again.

HAC805A OPEN ERROR AT *dsname*

Module(s): ZHC20200
Explanation: File *dsname* could not be opened.
System action: Processing aborted.
Operator action: Check file *dsname*.

HAC806A INVALID CONTROLCARD: *controlcard*

Module(s): ZHC20200
Explanation: An invalid *controlcard* statement was found in HACPARM2.
System action: Processing aborted.
Operator action: Check and correct statement *controlcard* and execute the request again, if required.

HAC807A NO VALID CONTROLCARDS FOUND IN MEMBER *hacparm2*

Module(s): ZHC20200
Explanation: No valid statement was found in member *hacparm2*.
System action: Processing aborted.
Operator action: Check and correct *hacparm2* and execute the request again, if required.

HAC808A SUBPOOL 228 NOT AVAILABLE

Module(s): ZHC20200
Explanation: Self-explanatory.
System action: Processing aborted.
Operator action: Check the MVS environment.

HAC809A MODULE ZHC20200 LOGIC ERROR

Module(s): ZHC20200
Explanation: Severe installation error.
System action: Processing aborted.
Operator action: Inform Customer Help Desk immediately.

HAC810A MODULE IEFAB4UV LINK ERROR

Module(s): ZHC20200
Explanation: Severe installation error.
System action: Processing aborted.
Operator action: Inform Customer Help Desk immediately.

HAC811A ESOTERIC UNITNAME *name* NOT DEFINED TO MVS

Module(s): ZHC20200
Explanation: Esoteric unit name *name* was not generated.
System action: Processing aborted.
Operator action: Check MVS EDTGEN.

HAC812A SUBSYSTEM INITIALIZATION FAILED

Module(s): ZHC20200
Explanation: Severe installation error.
System action: Processing aborted.
Operator action: Inform Customer Help Desk immediately.

HAC813I PARAMETER TEST SUCCESSFUL

Module(s): ZHC20200
Explanation: HACCISSI executed under test conditions.
System action: None
Operator action: None

HAC814A SUBPOOL 237 NOT AVAILABLE

Module(s): ZHC20200
Explanation: Self-explanatory.
System action: Processing aborted.
Operator action: Check the MVS environment.

HAC815I FROMVOL TOVOL UNITNAME LOOKUP'

Module(s): ZHC20200
Explanation: Header for data line HAC816I.
System action: None
Operator action: None

HAC816I *fromvolser tovolser unitname lookup-value*

Module(s): ZHC20200
Explanation: Self-explanatory - see header HAC815I.
System action: None
Operator action: None

HAC817I SYNTAX AND MODULE TEST IN MODE=SUP,KEY=ZERO

Module(s): ZHC20200
Explanation: HACCISSI executed under test conditions.
System action: None
Operator action: None

HAC820I AN EXIST HACEDT HAS BEEN DELETED

Module(s): ZHC20200
Explanation: An existing, previously initialized HACEDT was deleted
System action: None
Operator action: None

HAC830A SUBSYSTEM HAC0 NOT DEFINED

Module(s): ZHC20300
Explanation: Defined subsystem name for HCC is invalid.
System action: Processing aborted.
Operator action: When using the catalog installation exit ZHC026DU, **HAC0 must** be defined as subsystem name. Also refer to the relevant section in Installation and Customization.

3.4 SSI CLEANUP

HAC900I PARM INPUT FOR ZHC17000 HAS TO BE 4 BYTES LENGTH

Module(s): ZHC17000
Explanation: Parameter input for ZHC17000 (SSINAME) must be exactly 4 bytes long.
System action: None.
Operator action: Check PARM=ssiname in the EXEC statement.

HAC901I SSINAME IS *ssss*

Module(s): ZHC17000
Explanation: SSINAME transferred as parameter to ZHC17000.
System action: None.
Operator action: Check SSINAME.

HAC902I ENTER "Y" TO CONFIRM SSI-NAME OR "N" TO REJECT

Module(s): ZHC17000
Explanation: The SSINAME transferred as parameter to ZHC17000 and displayed with HAC901I must be confirmed ("Y") or rejected ("N").
System action: None
Operator action: Suitable reply.

HAC903I SSINAME FROM INPUT REJECTED

Module(s): ZHC17000
Explanation: This message is output when HAC902I is replied to with "N".
System action: None
Operator action: None.

HAC904I INVALID REPLY. ONLY "Y" OR "N" ARE ALLOWED.

Module(s): ZHC17000
Explanation: Neither "Y" nor "N" were replied to HAC902I or HAC808I.
System action: None
Operator action: Enter correct reply.

HAC905I SSINAME *ssss* NOT DEFINED

Module(s): ZHC17000
Explanation: SSINAME entered as parameter is not defined as IEFSSNxx member of SYS1.PARMLIB.
System action: None.
Operator action: Enter correct SSINAME.

HAC906I SSINAME *ssss* DOES NOT POINT TO A HACC-CVT.

Module(s): ZHC17000
Explanation: Subsystem referred to in SSI name is either
- not initialized or
- not being used by a HCC.

System action: None
Operator action: Enter correct HCC-SSINAME.

HAC907I SSINAME *ssss* POINTS TO A HACC-CVT.

Module(s): ZHC17000
Explanation: Subsystem referred to in SSI name is being used by HCC.
System action: None
Operator action: None.

HAC908I REPLY "Y" TO FREE ALL STORAGE FOR THIS SSI;
OR "N" TO CANCEL THE REQUEST.

Module(s): ZHC17000
Explanation: "Y" releases all SSI-relevant storage areas in the CSA (HCC-CVT, SSI-BUFFER,...) and deactivates the SSI.
System action: None
Operator action: None.

HAC909I REQUEST CANCELLED.

Module(s): ZHC17000
Explanation: This message is output when HAC808I is replied to with "N".
System action: None
Operator action: None.

HAC910I SSI FUNCTIONS FOR *ssss* DEACTIVATED.

Module(s): ZHC17000
Explanation: This message is output when the SSI has been deactivated.
System action: None
Operator action: None.

HAC911I STORAGE FOR *xxxxxxxx* has been freed.

Module(s): ZHC17000
Explanation: This message is output when a corresponding area in the CSA has been released. *xxxxxxxx* can be:

- SSI-BUFFER-QUEUE
- SFM-MODULE ZHC01200
- HACCVT.

System action: None
Operator action: None.

3.5 SSI FUNCTIONS MODULE

HAC996A INVALID REPLY-ID: *msg*

Module(s): ZHC01200
Explanation: An incoming WTO message (WQE) indicates that it contains a reply element. The reply number is either not numeric or has more than four digits.
System action: A provided buffer is released again.
Operator action: Error documentation required as described in the relevant section. If available, add information from ABBASEND DCSA to your error documentation.

HAC997A [ABBASEND] STIMER-WAIT THRESHOLD OVERFLOW, MAINTASK NOTIFICATION INHIBITED

Module(s): ZHC01200 - ZHC10300 - ZHC10400
Explanation: An incoming WTO message (WQE) cannot be passed to HCC by the subsystem support module (ZHC01200). The HCC dispatching priority within the overall system is probably too low.
System action: Data transfer to HCC is suspended. The **SET SSI,ENA** command restarts data transfer to HCC. It may be necessary to restart the HCC task with parameter **SSI=Y**.
Operator action: HCC should be given a higher DPRTY value when this message occurs frequently. Error documentation required as described in the relevant section. Add information from ABBASEND DCSA, the HCC start procedure as well as IPS values to your error documentation.

HAC998A POST ERROR, MAINTASK NOTIFICATION DISABLED

Module(s): ZHC01200
Explanation: Severe error in the HCC subsystem support module.
System action: HCC terminates abnormally.
Operator action: Temporary measure: Restart HCC. Error documentation required as described in the relevant section. Add information from ABBASEND DCSA to your error documentation.

HAC999A ABBASEND,*jobname* IS WAITING FOR ACTIVE HACC,ENTER "R" IF HACC READY

Module(s): ZHC10300 - ZHC10400
Explanation: HCC terminated while executing a batch ABBASEND.
System action: The JOB step remains suspended in a WTOR.
Operator action: After the HCC restart, enter "R" for the pending request to resume the interrupted and pending job. The task can resume when "I" (ignore) is entered, however the requested function is lost.

4 ERROR DOCUMENTATION

Report HCC software failures to:

For Europe and Africa:
EMASS/GRAU Storage Systems GmbH
Kelsterbacher Str. 23
D-65479 Raunheim

Tel: 00800 9999 3822
or if the international
number is not available:
+49 (6142) 9923 64 00800
fax: +49 (6142) 9923-69
email: techsup@emass.com

For all other countries:
EMASS, Inc.
10949 E. Peakview Ave.
Englewood, CO. 80112
U.S.A

1-800-827-3822 (1-800-TAP-ETAC)

Support error diagnostics by sending legible and complete information.

Your error documentation **should** include the following components:

- Error sheet, fully filled out (next page)
- Configuration diagrams (installation/customization, customer configuration)
- DUMP output
- SYSTEMLOG output
- HACCLOG output
- Environment description
- HCC message output
- HCC messages without output

and additionally **must** include by all means:

- installed HCC version or
- installed HCC release
- the FMID installed under SMP/E and
- the last installed PTF status: ZY.....
  using an SMP/E list print-out

4.1 ERROR SHEET

Customer: .....

Contact: .....

Tel.: ..... Fax: .....

When did the error occur: .....

HCC version/release: .....

Modification/creation date:.....

SMP/E - FMID:.....

PTF status:.....

AML AR/AMU version: .....

MVS version: .....

Additional information:
.....
.....
.....

For internal use only

Error documentation received: .....

Error documentation answered: .....

Problem number: .....

INDEX